ALLEN, BLUDWORTH, & CROUCH
PETROLEUM ENGINEERS
P.O. BOX 976
CASPER, WYOMING 82601

BERNARD W. ALLEN, PRESIDENT
L. EDWARD BLUDWORTH, VICE PRESIDENT
WILLIAM J. CROUCH, VICE PRESIDENT

ALLEN BUILDING
102 RIVER CROSS RD.
PHONE: 307-234-3571
307-234-0591

June 1, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Mosbacher Production Company
Well No. State No. 18-1A
Section 18, T14S, R8E
Carbon County, Utah

Gentlemen:

Attached is an A.P.D. for the above referenced well, the surveyers plat and a copy of a TOPO map showing the existing and proposed access road.

Please send all correspondence to: Allen, Bludworth & Crouch P.O. Box 976, Casper, Wyoming 82602.

Yours very truly,

Norman G. Harms P.E.

NGH/smc

Form OGC-1a

SUBMIT IN [redacted]PLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.: ML-27908-A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name: ----------

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name: ----------

b. Type of Well
Oil Well [ ] Gas Well [X] Other — Single Zone [X] Multiple Zone [ ]

8. Farm or Lease Name: State

2. Name of Operator: Mosbacher Production C/O Allen, Bludworth & Crouch

9. Well No.: 18 - 1A

3. Address of Operator: P.O. Box 976, Casper, Wyoming 82602

10. Field and Pool, or Wildcat: ~~Wildcat~~ GORDON CREEK

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FSL & 2235' FWL SESW Section 18, T14S - R8E
At proposed prod. zone: Same

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 18 - T14S - R8E

14. Distance in miles and direction from nearest town or post office*: Approximately 14 miles West of Price, Utah

12. County or Parrish: CARBON 13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): N/A

16. No. of acres in lease: 78.99

17. No. of acres assigned to this well: 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: N/A

19. Proposed depth: 4200'

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 7621' Ground

22. Approx. date work will start*: As Soon As Possible after Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12¼"	9-5/8"	36#/FT K-55	250'	Sufficient to Circulate to
8-3/4"	5-1/2"	15.5#/Ft. K-55	4200'	Surface *210 SX

*Cement volume to be determined by hole size and caliper. Calculate after logging.

Drill 12-1/4" hole to 250' and run approximately 250' of 9-5/8" 36# K-55 casing and cement to surface.

Drill 8-3/4" hole to 4200' and evaluate all hydrocarbon shows.

If well is commercial, new 5-1/2" 15.5# K-55 casing will be run and cemented.

If the well is dry, plugs will be set and a dry-hole marker will be erected.

Survey plat and map attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed B. W. Allen B. W. Allen Title Petroleum Engineer Date 6/1/82

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

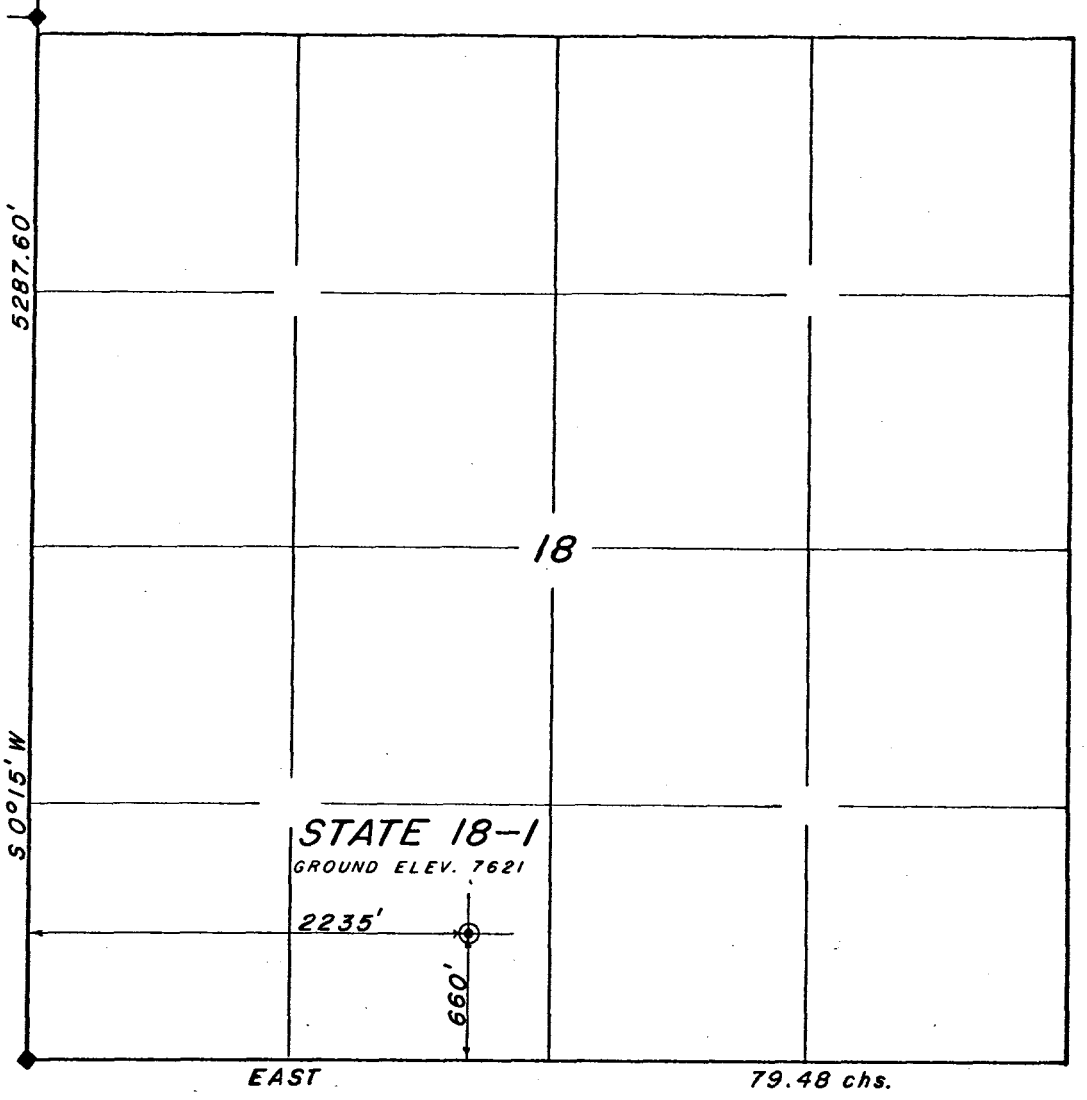
Approved by ..... Title .....
Conditions of approval, if any:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/8/82
BY: [signature]

*See Instructions On Reverse Side

MOSBACHER PRODUCTION CO.
WELL LOCATION PLAT
STATE 18-1

LOCATED IN THE SE¼ OF THE SW¼ OF SECTION 18, T14S, R8E, S.L.B.&M.



SCALE: 1"=1000'

LEGEND & NOTES

◆ FOUND ORIGINAL MONUMENTS USED BY THIS SURVEY.

THE GENERAL LAND OFFICE PLATS WERE USED FOR REFERENCE AND CALCULATIONS.

SURVEYOR'S CERTIFICATE

I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established.

Jerry D. Allred

Jerry D. Allred, Registered Land Surveyor, Cert. No. 3817 (Utah)

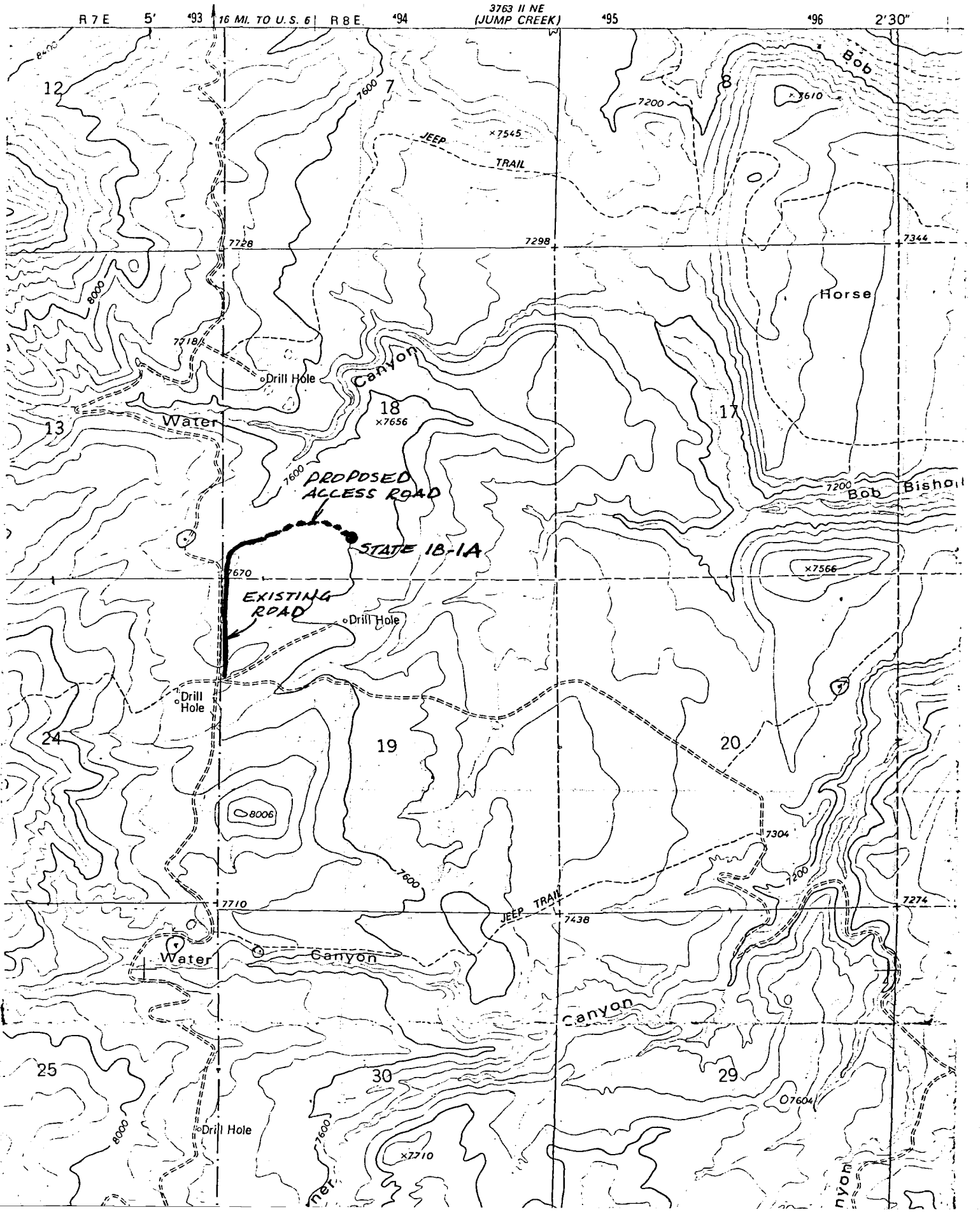
JERRY D. ALLRED & ASSOCIATES
Surveying & Engineering Consultants

121 North Center Street
P.O. Drawer C
DUCHESNE, UTAH 84021
(801) 738-5352

20 May '82

81-124-006

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY



** FILE NOTATIONS **

DATE: June 7, 1982

OPERATOR: Mosbacher Production % Allen, Bludworth & Crouch

WELL NO: State #18-1A

Location: Sec. 18 T. 14S R. 8E County: Carbon

File Prepared: ☑ Entered on N.I.D: ☐

Card Indexed: ☐ Completion Sheet: ☐

API Number 43-007-30078

CHECKED BY:

Petroleum Engineer: _____

Director: OK Topo exception Rule C-3(c)

Administrative Aide: Conditional upon termination of ~~receiving a letter stating they will not start well~~ State #18-1, Sec 18, T14S, R8E. As per Rule C-3(c)

APPROVAL LETTER:

Bond Required: ☑ OK Survey Plat Required: ☐

Order No. _____ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☑ ST Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☑ P.I. ☑

June 9, 1982

Mosbacher Production
c/o Allen, Bludworth & Crouch
P.O. Box 976
Casper, Wyoming 82602

RE: Well No. State #18-1A
Sec. 18, T14S, R8E
Carbon County

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, this is conditional upon termination of well State #18-1, Sec. 18, T14S, R8E.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-007-30078 instead of the original assigned number which was 43-007-30077.

Sincerely,

RONALD J. FIRTH
CHIEF PETROLEUM ENGINEER

RJF:SC
cc: State Lands
Enclosure

JUL 0 2 1982

NOTICE OF SPUD

Company: Mossbacker Production Co

Caller: Tom Green

Phone: _____

Well Number: State #18-1A

Location: SE SW 18-14S-8E

County: Carbon State: Utah

Lease Number: State

Lease Expiration Date: _____

Unit Name (If Applicable): Gordon Creek II

Date & Time Spudded: July 2, 1982 (PM)

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: WPM

Date: 7-2-82 JUL 0 2 1982

P1
HOTLINE

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MOSBACHER PRODUCTIONS

WELL NAME: STATE 18-1A

SECTION 18 TOWNSHIP 14S RANGE 8E COUNTY CARBON

DRILLING CONTRACTOR ATCO

RIG # 3

SPUDDED: DATE 7-2-82

TIME 5:00 PM

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY ARCHIE WRIGHT

TELEPHONE # _____

DATE 7-2-82 SIGNED SLC

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Mosbacher Production Co.

3. ADDRESS OF OPERATOR: 1300 Main, Ste 2100, Houston, Tx. 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 2235' FWL SESW Sec. 18, T14S, R8E

5. LEASE DESIGNATION AND SERIAL NO.: ML-27908-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: State

9. WELL NO.: 18-1A

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18 T14S R8E

14. PERMIT NO.: API #43-007-30077

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7621' GL

12. COUNTY OR PARISH: Carbon

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	X	(Other)			☐
(Other) Completion prognosis	X			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Spud date: 7/2/82. Csg 13-3/8" set 400', cmt w/ 500 sx Type Z. 9-5/8" set @ 1910', cmt w/ 830 sx cl H.
Complete well in the open hole interval of 2761-2844'.

1. Log well on 7/24/82, DIL GR & FDC, TD 2858'.
2. Set Otis Type WB permanent pkr @ 1735' & 2-7/8" tbg.
3. Run 4-1/2" perf liner @ 2761-2844'.
4. Run BHP bombs & hook up test lines.
5. Run 4 pt. test.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/29/82
BY: R S Firth

RECEIVED
JUL 29 1982
DIVISION OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Beverly A. Lawson TITLE Engineering Asst. DATE 7/26/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

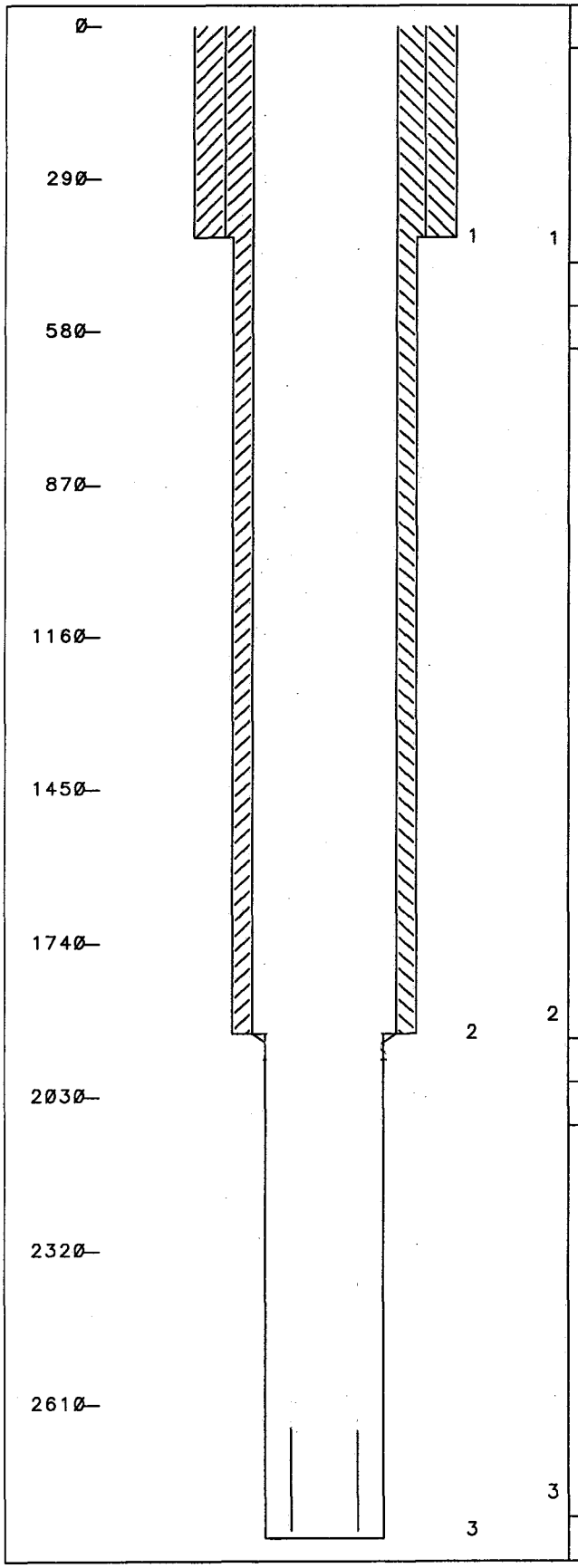
*See Instructions on Reverse Side

Lease:STATE
Well #:18-1A

Spud Date: 07/02/1982
KB: 7634
TD: 2859

Comp Date: 07/24/1982
ELEV: 7621
PBTD: 2859

API #: 43-007-30077-
Location: Sec 18 Twn 14S Rng 08E
County: CARBON
State: UTAH
Field: GORDON CREEK
Operator: FORCENERGY PARTNERS L.P.



	Start	Size	
	End	Length	Description
1	0.0	17.500	Hole: SURFACE
	400.0	400.0	
	0.0	13.375	Casing: 48# CASING
	400.0	400.0	
	0.0		Cement: 500 SX TYPE II
	400.0	400.0	
2	400.0	12.250	Hole: INTERMEDIATE
	1910.0	1510.0	
	0.0		Cement: 830 SX CL. H
	1910.0	1910.0	
	0.0	9.625	Casing: INTERMEDIATE 36# CASING
	1910.0	1910.0	
3	1910.0	4.500	Liner: PERFORATED LINER 2761'-2844
	2844.0	934.0	NO CEMENT.
	1910.0	7.875	Hole: PRODUCTION
	2859.0	949.0	

OTIS
7600 E. ORCHARD ROAD, SUITE 354
ENGLEWOOD, CO 80111
303/694-3942

August 12, 1982

Mosbacher Production Company
1300 Main, Suite 2100
Houston, TX 77002

Re: Multi-Rate & Isochronal Test on the State 18-1A
(26 - 31 July, 1982)

Dear Sirs:

This report includes the field readings and production data of the test. A flow/shut-in sequence and a brief summary of rates and pressures appear on the following pages. All calculated rates are listed in "Test Results." All measurements made during the test are listed in "Field Readings and Charts."

AOF and wellhead deliverability (WHD) plots are located in "Well Data." Plot 1 is an AOF of the multi-rate test of July 26th. A best-fit line has an unacceptably low slope, so a 45°-slope line is shown passing through the largest rate, giving an AOF of 1.23 MMSCF/D. Plot 2 is a WHD of the same rates, giving similar results, and a WHD of 1.21 MMSCF/D. Plot 3 is a WHD of the isochronal sequence of 28-30 July. A best-fit line has a slope of 54°8, drawn through the stabilized fifth rate, and produces a WHD of 1.36 MMSCF/D.

During the test, the total volume of gas produced was 842.6 MCF. No oil or water was produced.

If there are any questions concerning this report, please call the Denver office at (303) 694-3942.

Sincerely,

OTIS ENGINEERING CORPORATION

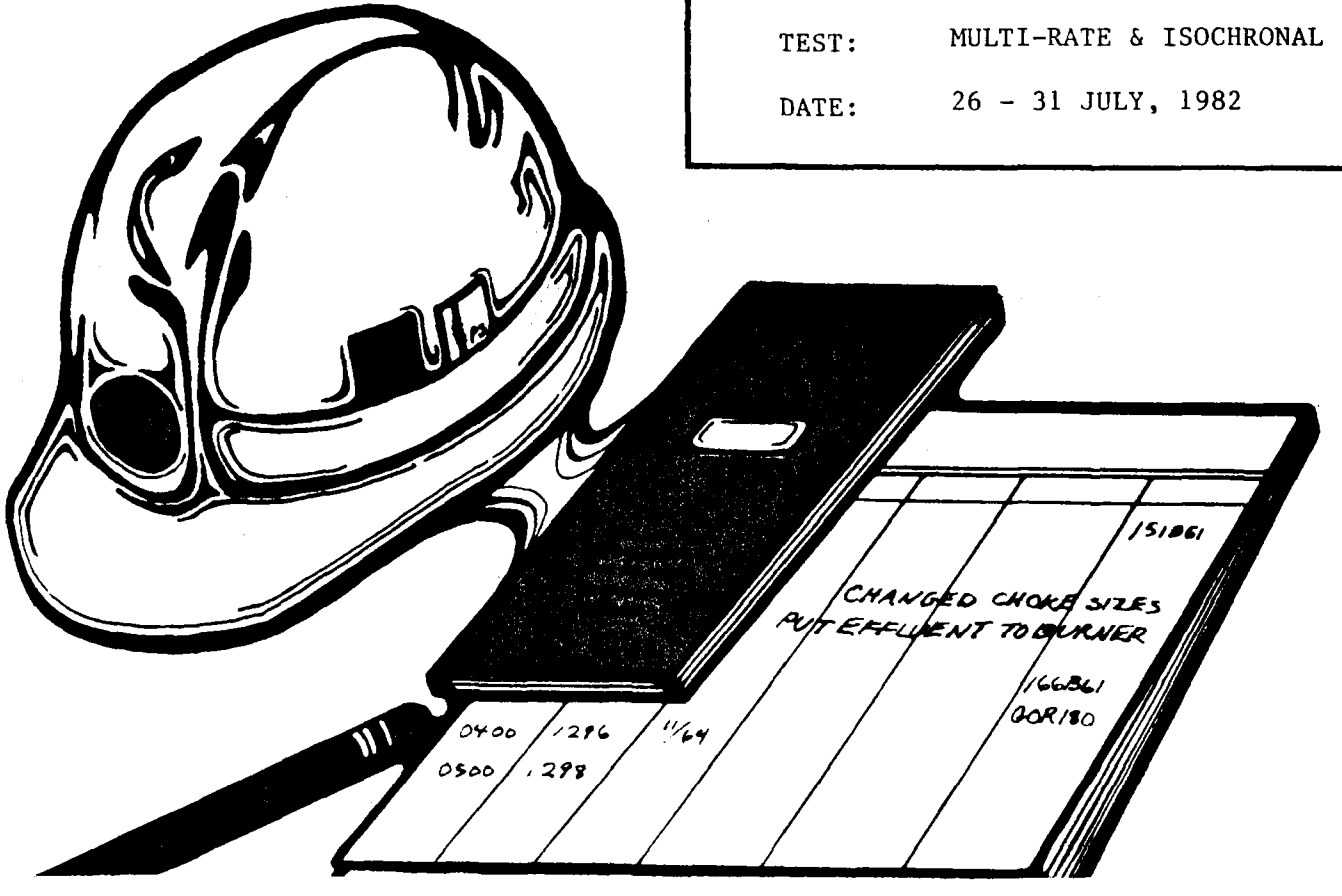
Terry Stevenson
Well Test Analyst

TS/tcf

OTIS SERVICES

WELL TEST REPORT

COMPANY:	MOSBACHER PRODUCTION COMPANY
WELL:	STATE 18-1A
AREA:	CARBON COUNTY, UT
TEST:	MULTI-RATE & ISOCHRONAL
DATE:	26 - 31 JULY, 1982



CONFIDENTIAL

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	8	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

	DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI G)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSI G)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (PSI G)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF	
	Minima															
1	26 1940	1.67	355	59	16		385.7	0								1
2	26 1950	1.83	355	59	16		385.7	0								2
3	26 2000	2.00	355	59	16	120	385.7	0	614.65	0.00	0.00	0.000	0.00	0.00	0.00	3
4	26 2015	2.25	0	0	16		385.7	0								4
5	26 2030	2.50	355	58	16	120	386.2	0	618.82	0.00	0.00	0.000	0.00	0.00	0.00	5
6	26 2045	2.75	356	58	16		387.2	0								6
7	26 2100	3.00	356	58	16	120	388.6	0	606.09	0.00	0.00	0.000	0.00	0.00	0.00	7
8	26 2115	3.25	356	58	16		389.9	0								8
9	26 2130	3.50	357	58	16	120	389.9	0	615.59	0.00	0.00	0.000	0.00	0.00	0.00	9
10	26 2145	3.75	357	58	16		389.2	0								10
11	26 2200	4.00	357	58	16	120	388.4	0	640.06	0.00	0.00	0.000	0.00	0.00	0.00	11
12	26 2215	4.25	357	58	16		387.6	0								12
13	26 2230	4.50	357	57	16	120	387.0	0	633.80	0.00	0.00	0.000	0.00	0.00	0.00	13
14	26 2245	4.75	357	57	16		385.4	0								14
15	26 2300	5.00	357	57	16	120	384.6	0	620.42	0.00	0.00	0.000	0.00	0.00	0.00	15
16	26 2315	5.25	357	57	16		384.6	0								16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1930	2315			

GAS (MSCF): 97.1 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	9	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (psi)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
				Minima		2844	2844							
26 2330	5.50	357	56	16	120	384.6	0	597.63	0.00	0.00	0.000	0.00	0.00	0.00
26 2345	5.75	357	56	16		384.6	0							
27 0000	6.00	357	56	16	120	383.9	0	606.09	0.00	0.00	0.000	0.00	0.00	0.00
27 0030	6.50	357	56	16	120			620.42	0.00	0.00	0.000	0.00	0.00	0.00
27 0100	7.00	352	56	16	120	380.0	0	596.46	0.00	0.00	0.000	0.00	0.00	0.00
27 0130	7.50	350	56	16	120			597.04	0.00	0.00	0.000	0.00	0.00	0.00
27 0200	8.00	350	56	16	120	377.2	0	625.62	0.00	0.00	0.000	0.00	0.00	0.00
27 0230	8.50	350	56	16	120			592.01	0.00	0.00	0.000	0.00	0.00	0.00
27 0300	9.00	350	56	16	120	375.3	0	637.58	0.00	0.00	0.000	0.00	0.00	0.00
27 0330	9.50	350	56	16	120	374.0	0	END FOURTH FLOW RATE. 604.90	0.00	0.00	0.000	0.00	0.00	0.00
27 0330	0.00	350	0	0		374.0	0		BEGIN SHUT-IN.					
27 0331	0.02	355	0	0		382.7	0							
27 0332	0.03	362	0	0		394.1	0							
27 0333	0.05	375	0	0		401.7	0							
27 0334	0.07	385	0	0		410.6	0							
27 0335	0.08	394	0	0		419.8	0							

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
2315	335			

GAS (MSCF): 109.5 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	27JUL82	10	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSI)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (PSI)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMCF)	LGR BL./MMCF	
27	0.10			Minima											
0336		402	0	0		426.8	0								1
27	0.12														
0337		409	0	0		435.7	0								2
27	0.13														
0338		422	0	0		445.7	0								3
27	0.15														
0339		425	0	0		451.4	0								4
27	0.17														
0340		430	0	0		458.4	0								5
27	0.20														
0342		447	0	0		471.1	0								6
27	0.23														
0344		455	0	0		485.3	0								7
27	0.27														
0346		467	0	0		495.6	0								8
27	0.30														
0348		477	0	0		502.7	0								9
27	0.33														
0350		482	0	0		512.6	0								10
27	0.42														
0355		0	0	0		529.6	0								11
27	0.50														
0400		509	0	0		542.6	0								12
27	0.58														
0405		517	0	0		552.4	0								13
27	0.67														
0410		526	0	0		559.7	0								14
27	0.75														
0415		530	0	0		565.3	0								15
27	0.83														
0420		532	0	0		570.1	0								16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
335	420			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
0.0	0.0	0.0			

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 16-1A	UTAH	27JUL82	11	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ___)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ___)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psi ___)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (___MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF	
27 0425	0.92	537	0	0		574.7	0								1
27 0430	1.00	540	0	0		579.5	0								2
27 0440	1.17	546	0	0		586.4	0								3
27 0450	1.33	555	0	0		592.2	0								4
27 0500	1.50	560	0	0		598.1	0								5
27 0510	1.67	0	0	0		602.6	0								6
27 0515	1.75	567	0	0											7
27 0520	1.83	0	0	0		606.8	0								8
27 0530	2.00	574	0	0		610.9	0								9
27 0545	2.25	577	0	0		616.7	0								10
27 0600	2.50	585	0	0		622.2	0								11
27 0615	2.75	590	0	0		626.9	0								12
27 0630	3.00	594	0	0		632.3	0								13
27 0645	3.25	598	0	0		636.7	0								14
27 0700	3.50	603	0	0		641.0	0								15
27 0715	3.75	606	0	0		645.7	0								16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME/END FOR TEST UP TO	NUMBER OF RATE
420	715			

GAS (MSCF): 0.0 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

DEC 85S-1 C-- --

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	27JUL82	12	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

	DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ≤)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ≤)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psi ≤)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF
1	27 0730	4.00	610	0	0		649.7	0							
2	27 0745	4.25	614	0	0		654.0	0							
3	27 0800	4.50	618	0	0		658.2	0							
4	27 0815	4.75	622	0	0		662.3	0							
5	27 0830	5.00	626	0	0		665.4	0							
6	27 0845	5.25	630	0	0		669.4	0							
7	27 0900	5.50	632	0	0		672.6	0							
8	27 0915	5.75	635	0	0		676.4	0							
9	27 0930	6.00	638	0	0		679.7	0							
10	27 1030	7.00	651	0	0		693.1	0							
11	27 1130	8.00	662	0	0		703.7	0							
12	27 1230	9.00	672	0	0		714.0	0							
13	27 1330	10.00	680	0	0		723.1	0							
14	27 1430	11.00	687	0	0		731.1	0							
15	27 1530	12.00	695	0	0		739.6	0							
16	27 1630	13.00	702	0	0		746.5	0							

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
715	1630			

GAS (MSCF): 0.0 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-663-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	27JUL82	13	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psig)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psig)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psig)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF	
27 1730	14.00	709	0	Minima 0		752.5	0								1
27 1830	15.00	714	0	0		759.2	0								2
28 0000	20.50	738	0	0		782.4	0								3
28 0500	25.50	750	0	0		797.0	0								4
28 1000	30.50	759	0	0		805.4	0								5
28 1500	35.50	763	0	0		811.0	0								6
28 1530	36.00	763	0	0		812.4	0		END OF DATA. BHP EQT. STARTS OUT OF HOLE.						7
28 1540	36.17	763	0	0		762.3	0		BHP EQT. IN LUBRICATOR.						8
28 1700	37.50	765	0	0					END OF SHUT-IN.						9
28 1700	0.00	765	60	4					BEGIN FIRST FLOW RATE.						10
28 1702	0.03	763	60	4											11
28 1704	0.07	762	60	4											12
28 1706	0.10	762	61	4											13
28 1710	0.17	760	62	4	160			98.41	0.00	0.00	0.000	0.00	0.00	0.00	14
28 1720	0.33	759	62	4	160			98.41	0.00	0.00	0.000	0.00	0.00	0.00	15
28 1730	0.50	759	64	4	160			93.73	0.00	0.00	0.000	0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1630	1730			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
1.6	0.0	0.0			

TEST RESULTS

OEC-8651-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 16-1A	UTAH	28JUL82	14	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ___)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ___)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi ___)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (___MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MMSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF	
				Minima											
28 1740	0.67	759	64	4	153			91.57	0.00	0.00	0.000	0.00	0.00	0.00	1
28 1750	0.83	759	64	4	150			93.05	0.00	0.00	0.000	0.00	0.00	0.00	2
28 1800	1.00	758	64	4	150			92.87	0.00	0.00	0.000	0.00	0.00	0.00	3
28 1810	1.17	758	64	4	150			90.54	0.00	0.00	0.000	0.00	0.00	0.00	4
28 1820	1.33	758	62	4	158			91.17	0.00	0.00	0.000	0.00	0.00	0.00	5
28 1830	1.50	758	63	4	158			91.45	0.00	0.00	0.000	0.00	0.00	0.00	6
28 1840	1.67	758	62	4	158			91.54	0.00	0.00	0.000	0.00	0.00	0.00	7
28 1850	1.83	757	62	4	160			89.82	0.00	0.00	0.000	0.00	0.00	0.00	8
28 1900	2.00	757	61	4	160			END FIRST FLOW RATE. 89.91	0.00	0.00	0.000	0.00	0.00	0.00	9
28 1900	0.00	757	61	0					BEGIN SHUT-IN.						10
28 1901	0.02	758	0	0											11
28 1903	0.05	759	0	0											12
28 1905	0.08	760	0	0											13
28 1914	0.23	761	0	0											14
28 1922	0.37	762	0	0											15
28 2015	1.25	763	0	0											16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1730	2015			

GAS (MSCF): 6.6 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	28JUL82	15	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000 (AIR 1)	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF	
				Minima											
28 2230	3.50	764	0	0											1
29 0000	5.00	765	0	0					END OF SHUT-IN.						2
29 0000	0.00	765	60	8					BEGIN SECOND FLOW RATE.						3
29 0002	0.03	760	60	8											4
29 0004	0.07	753	60	8											5
29 0006	0.10	751	59	8											6
29 0010	0.17	745	58	8	242			361.04	0.00	0.00	0.000	0.00	0.00	0.00	7
29 0020	0.33	737	56	8	238			343.98	0.00	0.00	0.000	0.00	0.00	0.00	8
29 0030	0.50	733	56	8	237			333.20	0.00	0.00	0.000	0.00	0.00	0.00	9
29 0040	0.67	730	55	8	235			321.17	0.00	0.00	0.000	0.00	0.00	0.00	10
29 0050	0.83	729	55	8	235			305.37	0.00	0.00	0.000	0.00	0.00	0.00	11
29 0100	1.00	726	55	8	238			306.30	0.00	0.00	0.000	0.00	0.00	0.00	12
29 0110	1.17	725	55	8	239			303.62	0.00	0.00	0.000	0.00	0.00	0.00	13
29 0120	1.33	723	55	8	240			300.60	0.00	0.00	0.000	0.00	0.00	0.00	14
29 0130	1.50	721	55	8	243			302.12	0.00	0.00	0.000	0.00	0.00	0.00	15
29 0140	1.67	720	55	8	243			301.49	0.00	0.00	0.000	0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
2015	140			

GAS (MSCF): 20.6 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	29JUL82	16	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5670	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
1 29 0150	1.83	719	55	8	243			299.76	0.00	0.00	0.000	0.00	0.00	0.00
2 29 0200	2.00	719	55	8	243			END OF SECOND FLOW RATE. 303.54	0.00	0.00	0.000	0.00	0.00	0.00
3 29 0200	0.00	719	55	0				BEGIN SHUT-IN.						
4 29 0202	0.03	725	0	0										
5 29 0204	0.07	732	0	0										
6 29 0206	0.10	738	0	0										
7 29 0210	0.17	742	0	0										
8 29 0220	0.33	747	0	0										
9 29 0240	0.67	750	0	0										
10 29 0345	1.75	755	0	0										
11 29 0600	4.00	760	0	0										
12 29 1000	8.00	765	0	0										
13 29 1430	12.50	767	0	0					END SHUT-IN.					
14 29 1430	0.00	767	59	12					BEGIN THIRD FLOW RATE.					
15 29 1435	0.08	737	60	12										
16 29 1440	0.17	712	60	12	380			815.61	0.00	0.00	0.000	0.00	0.00	0.00

Minima

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
140	1440			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
9.1	0.0	0.0			

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	29JUL82	17	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
29 1450	0.33	685	59	12	355			768.74	0.00	0.00	0.000	0.00	0.00	0.00
29 1500	0.50	667	58	12	360			775.06	0.00	0.00	0.000	0.00	0.00	0.00
29 15[illegible]	0.67	657	58	12	365			749.03	0.00	0.00	0.000	0.00	0.00	0.00
29 1520	0.83	647	58	12	360			744.61	0.00	0.00	0.000	0.00	0.00	0.00
29 1530	1.00	640	58	12	360			733.08	0.00	0.00	0.000	0.00	0.00	0.00
29 1540	1.17	634	58	12	360			733.88	0.00	0.00	0.000	0.00	0.00	0.00
29 1550	1.33	631	58	12	360			735.50	0.00	0.00	0.000	0.00	0.00	0.00
29 1600	1.50	627	58	12	360			723.00	0.00	0.00	0.000	0.00	0.00	0.00
29 1610	1.67	622	58	12	350			711.19	0.00	0.00	0.000	0.00	0.00	0.00
29 1620	1.83	617	58	12	348			688.02	0.00	0.00	0.000	0.00	0.00	0.00
29 16[illegible]	2.00	615	59	12	360			711.17	0.00	0.00	0.000	0.00	0.00	0.00
29 1640	2.17	614	59	12	360			711.17	0.00	0.00	0.000	0.00	0.00	0.00
29 1650	2.33	610	59	12	360			711.17	0.00	0.00	0.000	0.00	0.00	0.00
29 1700	2.50	608	59	12	360			710.39	0.00	0.00	0.000	0.00	0.00	0.00
29 1710	2.67	605	60	12	355			704.60	0.00	0.00	0.000	0.00	0.00	0.00
29 1720	2.83	603	61	12	350			690.02	0.00	0.00	0.000	0.00	0.00	0.00

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	GAS (MSCF)	OIL (BBLS)	WATER (BBLS)
1440	1720		80.6	0.0	0.0

FLOW TIME END FOR TEST UP TO	NUMBER OF RATE	GAS (MSCF)	OIL (BBLS)	WATER (BBLS)

TEST RESULTS

OEC-665-I-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE BUILD UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	29JUL82	18	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ≤)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ≤)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi ≤)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF
				Minima										
1 29 1730	3.00	600	62	12	350			690.02	0.00	0.00	0.000	0.00	0.00	0.00
2 29 1740	3.17	597	62	12	347			675.84	0.00	0.00	0.000	0.00	0.00	0.00
3 29 1[illegible]	3.33	597	62	12	347			END THIRD FLOW RATE. 675.84	0.00	0.00	0.000	0.00	0.00	0.00
4 29 1750	0.00	597	0	0				BEGIN SHUT-IN.						
5 29 1752	0.03	612	0	0										
6 29 1754	0.07	618	0	0										
7 29 1756	0.10	626	0	0										
8 29 1800	0.17	657	0	0										
9 29 1810	0.33	692	0	0										
10 29 1820	0.50	704	0	0										
11 29 1[illegible]	0.83	713	0	0										
12 [illegible] 1900	1.17	719	0	0										
13 29 2000	2.17	729	0	0										
14 29 2100	3.17	735	0	0										
15 29 2200	4.17	741	0	0										
16 29 2300	5.17	745	0	0										

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1720	2300			

GAS (MSCF): 18.9 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS) WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	30JUL82	19	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH) Minima	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ DEPTH (FT) 0 (psi)	BOTTOM HOLE TEMP @ DEPTH (FT) 0 (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF	
30 0000	6.17	749	0	0											1
30 0200	8.17	754	0	0											2
30 0430	10.17	758	0	0											3
30 0630	12.67	762	0	0					END SHUT-IN.						4
30 0630	0.00	762	54	16					BEGIN FOURTH FLOW RATE.						5
30 0632	0.03	740	54	16											6
30 0634	0.07	719	54	16											7
30 0636	0.10	680	54	16											8
30 0640	0.17	647	53	16	183			1318.22	0.00	0.00	0.000	0.00	0.00	0.00	9
30 0650	0.33	589	52	16	179			1233.44	0.00	0.00	0.000	0.00	0.00	0.00	10
30 0700	0.50	557	52	16	168			1120.83	0.00	0.00	0.000	0.00	0.00	0.00	11
30 0710	0.67	535	52	16	173			1083.69	0.00	0.00	0.000	0.00	0.00	0.00	12
30 0720	0.83	519	53	16	165			1032.42	0.00	0.00	0.000	0.00	0.00	0.00	13
30 0730	1.00	505	54	16	163			1012.76	0.00	0.00	0.000	0.00	0.00	0.00	14
30 0740	1.17	500	54	16	164			1000.82	0.00	0.00	0.000	0.00	0.00	0.00	15
30 0750	1.33	490	55	16	164			986.78	0.00	0.00	0.000	0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
2300	750			

GAS (MSCF): 55.5 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	30JUL82	20	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSIG)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSIG)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (PSIG)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF
1 30	1.50			Minima		0								
0800		485	55	16	163			983.89	0.00	0.00	0.000	0.00	0.00	0.00
2 30	1.67													
0810		482	55	16	162			966.84	0.00	0.00	0.000	0.00	0.00	0.00
3 30	1.83													
0820		477	54	16	160			960.10	0.00	0.00	0.000	0.00	0.00	0.00
4 30	2.00													
0830		472	54	16	157			937.32	0.00	0.00	0.000	0.00	0.00	0.00
5 30	2.17													
0840		468	53	16	155			930.62	0.00	0.00	0.000	0.00	0.00	0.00
6 30	2.33							END OF FOURTH FLOW RATE.						
0850		465	53	16	153			924.88	0.00	0.00	0.000	0.00	0.00	0.00
7 30	0.00								BEGIN SHUT-IN.					
0850		465	0	0										
8 30	0.03													
0852		485	0	0										
9 30	0.07													
0854		502	0	0										
10 30	0.10													
0856		530	0	0										
11 30	0.17													
0		575	0	0										
12 30	0.33													
0910		643	0	0										
13 30	0.50													
0920		677	0	0										
14 30	0.67													
0930		689	0	0										
15 30	0.83													
0940		697	0	0										
16 30	1.17													
1000		705	0	0										

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
750	1000			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
46.0	0.0	0.0			

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	30JUL82	21	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSI)	BOTTOM HOLE PRESSURE @ DEPTH (FT) 0 (PSI)	BOTTOM HOLE TEMP @ DEPTH (FT) 0 (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MMSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	L.GR BL./MMCF	
				Minima											
30 1100	2.17	719	0	0											1
30 1200	3.17	727	0	0											2
30 1300	4.17	733	0	0											3
30 1400	5.17	739	0	0											4
30 1500	6.17	742	0	0											5
30 1700	8.17	749	0	0											6
30 1900	10.17	755	0	0											7
30 2130	12.67	760	0	0					END SHUT-IN.						8
30 2130	0.00	760	59	8					BEGIN FIFTH FLOW RATE.						9
30 2132	0.03	750	59	8											10
30 2134	0.07	745	59	8											11
30 2136	0.10	742	59	8											12
30 2140	0.17	737	57	8	208			370.12	0.00	0.00	0.000	0.00	0.00	0.00	13
30 2150	0.33	729	56	8	222			363.63	0.00	0.00	0.000	0.00	0.00	0.00	14
30 2200	0.50	725	55	8	222			364.02	0.00	0.00	0.000	0.00	0.00	0.00	15
30 2210	0.67	722	55	8	221			363.61	0.00	0.00	0.000	0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1000	2210			

GAS (MSCF): 8.6 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	30JUL82	22	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT IN TIME (HOURS)	WELL HEAD PRESSURE (psig)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psig)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (psig)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
				Minima		0	0							
1 30 2220	0.83	719	54	8	220			362.80	0.00	0.00	0.000	0.00	0.00	0.00
2 30 2230	1.00	717	54	8	220			360.70	0.00	0.00	0.000	0.00	0.00	0.00
3 30 2[illegible]0	1.17	715	54	8	220			360.70	0.00	0.00	0.000	0.00	0.00	0.00
4 30 2250	1.33	714	54	8	220			361.09	0.00	0.00	0.000	0.00	0.00	0.00
5 30 2300	1.50	713	54	8	220			361.09	0.00	0.00	0.000	0.00	0.00	0.00
6 30 2310	1.67	712	54	8	220			361.09	0.00	0.00	0.000	0.00	0.00	0.00
7 30 2320	1.83	710	54	8	220			361.09	0.00	0.00	0.000	0.00	0.00	0.00
8 30 2330	2.00	707	54	8	220			359.36	0.00	0.00	0.000	0.00	0.00	0.00
9 30 2340	2.17	707	54	8	220			359.36	0.00	0.00	0.000	0.00	0.00	0.00
10 30 2350	2.33	706	54	8	218			357.75	0.00	0.00	0.000	0.00	0.00	0.00
11 31 0[illegible]0	2.50	705	54	8	218			358.14	0.00	0.00	0.000	0.00	0.00	0.00
12 3[illegible] 0010	2.67	703	54	8	218			356.02	0.00	0.00	0.000	0.00	0.00	0.00
13 31 0020	2.83	702	54	8	218			356.40	0.00	0.00	0.000	0.00	0.00	0.00
14 31 0030	3.00	701	54	8	223			356.05	0.00	0.00	0.000	0.00	0.00	0.00
15 31 0040	3.17	700	54	8	223			356.43	0.00	0.00	0.000	0.00	0.00	0.00
16 31 0050	3.33	700	54	8	225			355.80	0.00	0.00	0.000	0.00	0.00	0.00

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
2210	50			

GAS (MSCF): 39.9 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-665-I-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	31JUL82	23	24

CUSTOMER	OIL GRAVITY @ 60 °F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5626	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ≤)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ≤)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi ≤)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MMSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
				Minima										
31 0100	3.50	700	54	8	228			356.28	0.00	0.00	0.000	0.00	0.00	0.00
31 0110	3.67	700	54	8	228			354.04	0.00	0.00	0.000	0.00	0.00	0.00
31 0120	3.83	700	54	8	228			352.17	0.00	0.00	0.000	0.00	0.00	0.00
								END FIFTH FLOW RATE.						
31 0130	4.00	700	53	8	228			352.55	0.00	0.00	0.000	0.00	0.00	0.00
									BEGIN SHUT-IN.					
31 0130	0.00	700	0	0										
31 0132	0.03	707	0	0										
31 0134	0.07	714	0	0										
31 0136	0.10	718	0	0										
31 0140	0.17	725	0	0										
31 0150	0.33	729	0	0										
31 0200	0.50	732	0	0										
31 0300	1.50	740	0	0										
31 0400	2.50	745	0	0										
31 0500	3.50	749	0	0										
31 0600	4.50	752	0	0										
31 0700	5.50	755	0	0										

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
50	700		12.3	0.0	0.0

FLOW TIME END FOR TEST UP TO	NUMBER OF RATE	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	31JUL82	24	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi G)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi G)	BOTTOM HOLE PRESSURE @ 0 DEPTH (FT) (psi G)	BOTTOM HOLE TEMP @ 0 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
31 0800	6.50	757	0	0										1
31 0900	7.50	760	0	0					END OF	DATA.				2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
16														16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
700	900		END	XXX TEST

GAS (MSCF)	OIL (BBLS)	WATER (BBLS)	GAS (MSCF)	OIL (BBLS)	WATER (BBLS)
0.0	0.0	0.0	842.6	0.0	0.0

OTIS

OEC—863-B

METHOD OF CALCULATING GAS FLOW RATES

BASED ON A.G.A. REPORT NO. 3

$$Q_g = C \sqrt{h_w \quad P_f}$$

WHERE

C = Fpv X Fb X Fg X Ftf X Ftb X Fpb X Fr X Y_2 X Fm X UNIT CONVERSION FACTOR

Qg = CORRECTED GAS FLOW RATE
C = ORIFICE FLOW CONSTANT
hw = DIFFERENTIAL PRESSURE ACROSS ORIFICE IN INCHES WATER @ 60°F
Pf = ABSOLUTE STATIC PRESSURE IN psi

AND

Fpv = SUPERCOMPRESSIBILITY FACTOR (CORRECTED FOR N_2, H_2S, AND CO_2 EFFECTS ON FINAL REPORT, (IF DESIRED)
Fb = BASIC ORIFICE FACTOR
Fg = SPECIFIC GRAVITY FACTOR
Ftf = FLOWING TEMPERATURE FACTOR
Ftb = TEMPERATURE BASE FACTOR
Fpb = PRESSURE BASE FACTOR
Fr = REYNOLDS NUMBER FACTOR = 1
Y_2 = EXPANSION FACTOR FOR DOWNSTREAM PRESSURE TAP
Fm = MANOMETER FACTOR = 1
UNIT CONVERSION FACTOR = FACTOR CHANGING FLOW RATE UNITS

WE CAN UNITE Fu = Ftb X Fpb X UNIT CONVERSION FACTOR
(Fu FACTORS ARE GIVEN IN TABLE BELOW FOR DIFFERENT STANDARD CONDITIONS AND FLOW RATE UNITS)

C_1 = Fu X Fg (THEORETICALLY CONSTANT DURING TEST)

C_2 = Fpv X Fb X Ftf X Y_2

THEN C = C_1 X C_2

TABLE OF Fu FACTORS

STANDARD CONDITIONS / RATE OF FLOW UNITS		Cu Ft/HOURS	Cu Ft/DAY	M^3/HOUR	M^3/DAY
14.65 psi	60°F	1.0055	24.1311	0.0285	0.6834
14.73 psi	60°F	1	24	0.0283	0.6797
760 mm Hg	0°C	0.9483	22.7604	0.0269	0.6446
760 mm Hg	15°C	1.0004	24.0094	0.0283	0.6799
750 mm Hg	15°C	1.0137	24.3295	0.0287	0.6890

GAS FLOW RATE CALCULATIONS

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	26JUL82	1	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=	MEAS. / EST.	GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.2	345.3	☐ / X	0.561

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3349	32.0370

DAY / TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (___MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 26 1000	1.00	85	92.0	81	88.53	1.500	460.79	0.9804	1.0054	1.0070	457.382	14653	1297.31	1
2 26 0[redacted]	1.50	84	88.0	87	86.08	1.500	460.79	0.9750	1.0051	1.0068	454.649	14566	1253.79	2
3 26 100	2.00	81	80.0	91	80.60	1.500	460.79	0.9715	1.0048	1.0064	452.683	14503	1168.88	3
4 26 130	0.50	88	61.0	90	73.35	1.500	460.79	0.9723	1.0052	1.0045	452.410	14494	1063.12	4
5 26 200	1.00	89	66.0	86	76.73	1.500	460.79	0.9759	1.0055	1.0048	454.314	14555	1116.77	5
6 26 230	1.50	84	67.0	84	75.11	1.500	460.79	0.9777	1.0052	1.0052	455.203	14583	1095.35	6
7 26 300	2.00	84	65.0	82	73.98	1.500	460.79	0.9795	1.0053	1.0050	455.995	14583	1078.83	7
8 26 330	2.50	79	63.0	82	70.64	1.500	460.79	0.9795	1.0049	1.0052	455.923	14580	1029.92	8
9 26 400	3.00	76	61.0	78	68.18	1.500	460.79	0.9831	1.0049	1.0052	457.603	14660	999.50	9
10 26 4[redacted]	3.50	79	52.0	76	64.17	1.500	460.79	0.9850	1.0051	1.0043	458.138	14651	940.24	10
11 [redacted] 500	0.50	96	31.0	72	54.61	1.500	460.79	0.9887	1.0064	1.0021	459.437	14693	802.37	11
12 26 530	1.00	101	32.0	72	56.91	1.500	460.79	0.9887	1.0067	1.0021	459.572	14697	836.37	12
13 26 600	1.50	101	34.0	70	58.66	1.500	460.79	0.9905	1.0068	1.0022	460.536	14728	863.92	13
14 26 630	2.00	101	35.0	70	59.51	1.500	460.79	0.9905	1.0068	1.0022	460.565	14729	876.59	14
15 26 700	2.50	99	35.0	72	58.92	1.500	460.79	0.9887	1.0066	1.0023	459.627	14724	867.58	15
16 26 730	3.00	99	35.0	76	58.92	1.500	460.79	0.9850	1.0065	1.0023	457.835	14666	864.20	16
17 26 800	3.50	99	34.0	74	58.08	1.500	460.79	0.9868	1.0066	1.0022	458.718	14695	853.40	17
18 26 830	0.50	121	35.0	71	65.13	1.125	256.33	0.9896	1.0081	1.0019	256.217	8198	533.96	18

OTIS

GAS FLOW RATE CALCULATIONS

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	26JUL82	2	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=	MEAS.	GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	EST. X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (___MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 26 1900	1.00	131	43.0	70	75.11	1.125	256.33	0.9905	1.0089	1.0022	256.711	8214	616.96	1
2 26 1[redacted]	1.50	131	43.0	61	75.11	1.125	256.33	0.9990	1.0094	1.0022	259.053	8289	622.59	2
3 26 3000	2.00	131	42.0	62	74.23	1.125	256.33	0.9981	1.0093	1.0021	258.776	8280	614.65	3
4 26 3030	2.50	131	43.0	67	75.11	1.125	256.33	0.9933	1.0090	1.0022	257.484	8239	618.82	4
5 26 3100	3.00	131	42.0	76	74.23	1.125	256.33	0.9850	1.0085	1.0021	255.175	8165	606.09	5
6 26 3130	3.50	131	44.0	84	75.98	1.125	256.33	0.9777	1.0081	1.0022	253.213	8102	615.59	6
7 26 3200	4.00	131	47.0	78	78.53	1.125	256.33	0.9831	1.0084	1.0024	254.737	8151	640.06	7
8 26 2230	4.50	131	46.0	77	77.69	1.125	256.33	0.9840	1.0085	1.0023	254.975	8158	633.80	8
9 26 3300	5.00	131	44.0	76	75.98	1.125	256.33	0.9850	1.0085	1.0022	255.200	8166	620.42	9
10 26 23[redacted]	5.50	131	41.0	78	73.34	1.125	256.33	0.9831	1.0084	1.0021	254.660	8148	597.63	10
11 2[redacted] 0000	6.00	131	42.0	76	74.23	1.125	256.33	0.9850	1.0085	1.0021	255.175	8165	606.09	11
12 27 0030	6.50	131	44.0	76	75.98	1.125	256.33	0.9850	1.0085	1.0022	255.200	8166	620.42	12
13 27 0100	7.00	131	41.0	80	73.34	1.125	256.33	0.9813	1.0083	1.0021	254.162	8132	596.46	13
14 27 0130	7.50	131	41.0	79	73.34	1.125	256.33	0.9822	1.0084	1.0021	254.411	8140	597.04	14
15 27 0200	8.00	131	45.0	79	76.84	1.125	256.33	0.9822	1.0084	1.0023	254.462	8142	625.62	15
16 27 0230	8.50	131	40.0	75	72.44	1.125	256.33	0.9859	1.0086	1.0020	255.401	8172	592.01	16
17 27 0300	9.00	131	46.0	71	77.69	1.125	256.33	0.9896	1.0088	1.0023	256.494	8207	637.58	17
18 27 0330	9.50	131	42.0	78	74.23	1.125	256.33	0.9831	1.0084	1.0021	254.673	8149	604.90	18

OTIS

GAS FLOW RATE CALCULATIONS

OET-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	28JUL82	3	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=		GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	MEAS. ☐ EST. X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 28 1710	0.17	171	22.0	75	61.37	0.500	50.22	0.9859	1.0112	1.0009	50.115	1604	98.41	1
2 28 1[illegible]	0.33	171	22.0	75	61.37	0.500	50.22	0.9859	1.0112	1.0009	50.115	1604	98.41	2
3 28 1730	0.50	171	20.0	76	58.51	0.500	50.22	0.9850	1.0112	1.0008	50.061	1602	93.73	3
4 28 1740	0.67	164	20.0	78	57.31	0.500	50.22	0.9831	1.0106	1.0008	49.940	1598	91.57	4
5 28 1750	0.83	161	21.0	77	58.18	0.500	50.22	0.9840	1.0104	1.0009	49.983	1599	93.05	5
6 28 1800	1.00	161	21.0	79	58.18	0.500	50.22	0.9822	1.0103	1.0009	49.883	1596	92.87	6
7 28 1810	1.17	161	20.0	80	56.78	0.500	50.22	0.9813	1.0103	1.0008	49.832	1594	90.54	7
8 28 1820	1.33	169	19.0	72	56.70	0.500	50.22	0.9887	1.0113	1.0007	50.255	1608	91.17	8
9 28 1830	1.50	169	19.0	69	56.70	0.500	50.22	0.9915	1.0115	1.0007	50.408	1613	91.45	9
10 28 1[illegible]	1.67	169	19.0	68	56.70	0.500	50.22	0.9924	1.0116	1.0007	50.459	1615	91.54	10
11 [illegible] 1850	1.83	171	18.0	66	55.51	0.500	50.22	0.9943	1.0119	1.0007	50.567	1618	89.82	11
12 28 1900	2.00	171	18.0	65	55.51	0.500	50.22	0.9952	1.0120	1.0007	50.619	1620	89.91	12
13 29 0010	0.17	253	78.0	57	140.53	0.625	78.42	1.0029	1.0188	1.0021	80.291	2569	361.04	13
14 29 0020	0.33	249	72.0	57	133.95	0.625	78.42	1.0029	1.0185	1.0019	80.257	2568	343.98	14
15 29 0030	0.50	248	68.0	58	129.91	0.625	78.42	1.0019	1.0183	1.0018	80.156	2565	333.20	15
16 29 0040	0.67	246	64.0	60	125.53	0.625	78.42	1.0000	1.0179	1.0017	79.963	2559	321.17	16
17 29 0050	0.83	246	58.0	61	119.50	0.625	78.42	0.9990	1.0178	1.0016	79.864	2555	305.37	17
18 29 0100	1.00	249	58.0	64	120.22	0.625	78.42	0.9962	1.0177	1.0016	79.624	2548	306.30	18

OTIS offs **GAS FLOW RATE CALCULATIONS**

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	29JUL82	4	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=	MEAS. / EST.	GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	☐ / X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (___MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 29 0110	1.17	250	57.0	66	119.42	0.625	78.42	0.9943	1.0175	1.0015	79.457	2542	303.62	1
2 29 01[redacted]	1.33	251	56.0	69	118.61	0.625	78.42	0.9915	1.0172	1.0015	79.208	2534	300.60	2
3 29 0130	1.50	254	56.0	70	119.31	0.625	78.42	0.9905	1.0173	1.0015	79.139	2532	302.12	3
4 29 0140	1.67	254	56.0	72	119.31	0.625	78.42	0.9887	1.0171	1.0015	78.973	2527	301.49	4
5 29 0150	1.83	254	56.0	74	119.31	0.625	78.42	0.9868	1.0171	1.0015	78.826	2512	299.76	5
6 29 0200	2.00	254	57.0	74	120.37	0.625	78.42	0.9868	1.0169	1.0015	78.810	2522	303.54	6
7 29 1440	0.17	391	40.0	78	125.09	1.000	201.99	0.9831	1.0254	1.0007	203.770	6520	815.61	7
8 29 1450	0.33	366	38.0	77	117.96	1.000	201.99	0.9840	1.0240	1.0007	203.666	6517	768.74	8
9 29 1500	0.50	371	38.0	76	118.77	1.000	201.99	0.9850	1.0245	1.0007	203.952	6526	775.06	9
10 29 1510	0.67	376	35.0	76	114.75	1.000	201.99	0.9850	1.0248	1.0006	204.006	6528	749.03	10
11 29 1[redacted] 1520	0.83	371	35.0	75	113.98	1.000	201.99	0.9859	1.0246	1.0006	204.164	6533	744.61	11
12 29 1530	1.00	371	34.0	76	112.34	1.000	201.99	0.9850	1.0245	1.0006	203.937	6525	733.08	12
13 29 1540	1.17	371	34.0	75	112.34	1.000	201.99	0.9859	1.0246	1.0006	204.161	6533	733.88	13
14 29 1550	1.33	371	34.0	73	112.34	1.000	201.99	0.9877	1.0249	1.0006	204.609	6547	735.50	14
15 29 1600	1.50	371	33.0	75	110.68	1.000	201.99	0.9859	1.0246	1.0006	204.157	6532	723.00	15
16 29 1610	1.67	361	33.0	77	109.18	1.000	201.99	0.9840	1.0236	1.0006	203.583	6514	711.19	16
17 29 1620	1.83	359	31.0	76	105.52	1.000	201.99	0.9850	1.0237	1.0006	203.771	6520	688.02	17
18 29 1630	2.00	371	32.0	76	108.99	1.000	201.99	0.9850	1.0245	1.0006	203.930	6525	711.17	18

OTIS

GAS FLOW RATE CALCULATIONS

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	29JUL82	5	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=		GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	MEAS. ☐ EST. X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 29 1640	2.17	371	32.0	76	108.99	1.000	201.99	0.9850	1.0245	1.0006	203.930	6525	711.17	1
2 29 1[redacted]	2.33	371	32.0	76	108.99	1.000	201.99	0.9850	1.0245	1.0006	203.930	6525	711.17	2
3 29 1700	2.50	371	32.0	77	108.99	1.000	201.99	0.9840	1.0243	1.0006	203.708	6518	710.39	3
4 29 1710	2.67	366	32.0	78	108.25	1.000	201.99	0.9831	1.0238	1.0006	203.423	6509	704.60	4
5 29 1720	2.83	361	31.0	76	105.82	1.000	201.99	0.9850	1.0238	1.0006	203.797	6521	690.02	5
6 29 1730	3.00	361	31.0	76	105.82	1.000	201.99	0.9850	1.0238	1.0006	203.797	6521	690.02	6
7 29 1740	3.17	358	30.0	76	103.66	1.000	201.99	0.9850	1.0236	1.0006	203.754	6520	675.84	7
8 29 1750	3.33	358	30.0	76	103.66	1.000	201.99	0.9850	1.0236	1.0006	203.754	6520	675.84	8
9 30 0640	0.17	194	56.0	52	104.28	1.375	385.51	1.0078	1.0149	1.0019	395.055	12641	1318.22	9
10 30 0[redacted]	0.33	190	50.0	51	97.52	1.375	385.51	1.0088	1.0147	1.0017	395.291	12648	1233.44	10
11 [redacted] 0700	0.50	179	44.0	52	88.80	1.375	385.51	1.0078	1.0138	1.0016	394.488	12622	1120.83	11
12 30 0710	0.67	184	40.0	52	85.84	1.375	385.51	1.0078	1.0141	1.0014	394.566	12625	1083.69	12
13 30 0720	0.83	176	38.0	52	81.83	1.375	385.51	1.0078	1.0135	1.0014	394.319	12617	1032.42	13
14 30 0730	1.00	174	37.0	52	80.28	1.375	385.51	1.0078	1.0134	1.0014	394.250	12615	1012.76	14
15 30 0740	1.17	175	36.0	53	79.42	1.375	385.51	1.0068	1.0134	1.0013	393.844	12602	1000.82	15
16 30 0750	1.33	175	35.0	53	78.31	1.375	385.51	1.0068	1.0134	1.0013	393.829	12601	986.78	16
17 30 0800	1.50	174	35.0	53	78.08	1.375	385.51	1.0068	1.0133	1.0013	393.802	12601	983.89	17
18 30 0810	1.67	173	34.0	53	76.74	1.375	385.51	1.0068	1.0132	1.0013	393.760	12599	966.84	18

OTIS

GAS FLOW RATE CALCULATIONS

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	30JUL82	6	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=	MEAS. / EST.	GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	☐ / X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP. (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (___MSCF/D)
							F_b	F_{tf}	F_{pv}	Y_2	C_2		
1 30 0820	1.83	171	34.0	54	76.29	1.375	385.51	1.0058	1.0130	1.0013	393.290	12584	960.10
2 30 0[illegible]0	2.00	168	33.0	54	74.50	1.375	385.51	1.0058	1.0127	1.0013	393.194	12581	937.32
3 30 0840	2.17	166	33.0	55	74.06	1.375	385.51	1.0048	1.0125	1.0013	392.727	12566	930.62
4 30 0850	2.33	164	33.0	55	73.61	1.375	385.51	1.0048	1.0123	1.0013	392.674	12564	924.88
5 30 2140	0.17	219	96.0	62	145.06	0.625	78.42	0.9981	1.0158	1.0029	79.740	2551	370.12
6 30 2150	0.33	233	87.0	62	142.44	0.625	78.42	0.9981	1.0168	1.0025	79.786	2553	363.63
7 30 2200	0.50	233	87.0	61	142.44	0.625	78.42	0.9990	1.0169	1.0025	79.872	2556	364.02
8 30 2210	0.67	232	87.0	60	142.13	0.625	78.42	1.0000	1.0170	1.0025	79.952	2558	363.61
9 30 2220	0.83	231	87.0	60	141.83	0.625	78.42	1.0000	1.0169	1.0025	79.947	2558	362.80
10 30 2[illegible]0	1.00	231	86.0	60	141.01	0.625	78.42	1.0000	1.0169	1.0025	79.945	2558	360.70
[illegible]30 2240	1.17	231	86.0	60	141.01	0.625	78.42	1.0000	1.0169	1.0025	79.945	2558	360.70
12 30 2250	1.33	231	86.0	59	141.01	0.625	78.42	1.0010	1.0170	1.0025	80.031	2561	361.09
13 30 2300	1.50	231	86.0	59	141.01	0.625	78.42	1.0010	1.0170	1.0025	80.031	2561	361.09
14 30 2310	1.67	231	86.0	59	141.01	0.625	78.42	1.0010	1.0170	1.0025	80.031	2561	361.09
15 30 2320	1.83	231	86.0	59	141.01	0.625	78.42	1.0010	1.0170	1.0025	80.031	2561	361.09
16 30 2330	2.00	231	85.0	58	140.19	0.625	78.42	1.0019	1.0171	1.0025	80.114	2563	359.36
17 30 2340	2.17	231	85.0	58	140.19	0.625	78.42	1.0019	1.0171	1.0025	80.114	2563	359.36
18 30 2350	2.33	229	85.0	58	139.58	0.625	78.42	1.0019	1.0170	1.0025	80.104	2563	357.75

OTIS

GAS FLOW RATE CALCULATIONS

OEC-862-1-B

HIGH STAGE

TEST NUMBER	RATE NUMBER	AREA	WELL NAME OR NUMBER	DATE (DAY, MO, YR)	PAGE	OF
		UTAH	STATE 18-1A	31 JUL 82	7	7

CUSTOMER	STANDARD CONDITIONS	ATM. PRESS	P_c=	T_c=		GAS SPECIFIC GRAVITY-G
MOSBACHER PRODUCTION COMPANY	X 14.73 psi 60 °F ☐ OTHER	11.20	672.1	345.7	MEAS. ☐ EST. X	0.563

METER TYPE	METER RUN SIZE (INCHES)	FLOW RECORDER TYPE	h_w RANGE (INCHES WATER)	STATIC PRESS RANGE (psi)	FU TABLE PREV. PAGE	$F_g = \sqrt{1/G}$	$C_1 = F_u \times F_g$
DANIELS SR	4.026	BARTON 2-PEN	0-100	0-1500	24.0000	1.3332	31.9972

DAY TIME (24 HR CLOCK)	FLOW TIME (HOURS)	STATIC PRESSURE P_f (psia)	DIFFERENTIAL PRESSURE h_w (INCHES WATER)	DOWN STREAM GAS TEMP (°F)	$\sqrt{h_w P_f}$	ORIFICE SIZE d (INCHES)	$C_2 = F_b \times F_{tf} \times F_{pv} \times Y_2$					C (C=C1 X C2)	CORRECTED GAS FLOW RATE $Q_g = C\sqrt{h_w P_f}$ (___MSCF/D)	
							F_b	F_{tf}	F_{pv}	Y_2	C_2			
1 31 0000	2.50	229	85.0	57	139.58	0.625	78.42	1.0029	1.0171	1.0025	80.191	2566	358.14	1
2 31 0[redacted]	2.67	229	84.0	57	138.75	0.625	78.42	1.0029	1.0171	1.0024	80.188	2566	356.02	2
3 31 0020	2.83	229	84.0	56	138.75	0.625	78.42	1.0039	1.0172	1.0024	80.275	2569	356.40	3
4 31 0030	3.00	234	82.0	56	138.58	0.625	78.42	1.0039	1.0176	1.0023	80.296	2569	356.05	4
5 31 0040	3.17	234	82.0	55	138.58	0.625	78.42	1.0048	1.0177	1.0023	80.384	2572	356.43	5
6 31 0050	3.33	236	81.0	55	138.32	0.625	78.42	1.0048	1.0179	1.0023	80.392	2572	355.80	6
7 31 0100	3.50	239	80.0	54	138.33	0.625	78.42	1.0058	1.0182	1.0022	80.493	2576	356.28	7
8 31 0110	3.67	239	79.0	54	137.47	0.625	78.42	1.0058	1.0182	1.0022	80.491	2575	354.04	8
9 31 0120	3.83	239	78.0	53	136.59	0.625	78.42	1.0068	1.0183	1.0022	80.577	2578	352.17	9
10 31 0[redacted]	4.00	239	78.0	52	136.59	0.625	78.42	1.0078	1.0185	1.0022	80.665	2581	352.55	10
11														11
12														12
13														13
14														14
15														15
16														16
17														17
18														18

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State	Wildcat	Carbon	Utah	FT	G.L. FT

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN. TBG. ID INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a+P_s$	DEPTH SET
50316	0-2800 PSI		72 HRS.	"	K=1427.0487	-1.1430	2838 FT. ☐T ☐M

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a+P_s$	DEPTH SET
50315	0-2800 PSI		72 HRS.		K=1416.0214	-4.9153	2844 FT. ☐T ☐M

BOTTOM HOLE PRESSURES

	TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
	DAY / HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_s+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_s+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F.	CHOKE SIZE 64TH INCH	REMARKS
1		Surface												
2	2043			.5380		766.6		.5439		765.3				
3		On bottom @ 2844												
4		@ 2134 Hrs. 7/25/82												
5	2134			.5774		822.8		.5831		820.8				
6	2155			.5781		823.8					763			
7	0810		7/26	.5797		826.1					769			
8	0830			.5797		826.1					769			
9	0845			.5797		826.1					769			
10	0900			.5797		826.1		.5858		824.6	769			
11		Well open to flow											40	
12	0900			.5797		826.1		.5858		824.6	769			
13	0901			.5760		820.8					767			
14	0902			.5689		810.7					760			
15	0903			.5609		799.3					742			

*NON LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** $a+P_s=0$. $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT	

PERFORATED INTERVAL (FT)	MAX TEMP	MIN TBG. ID.	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a + P_s	DEPTH SET
	PSI		HRS.		K_m		FT. ☐TV ☐MD

LOWER GAUGE

PRESS ELE. NO.	PRESS. ELE RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a + P_s	DEPTH SET
	PSI		HRS		K_m		FT. ☐TV ☐MD

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY DATE 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+a+P_s+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+a+P_s+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP. °F	CHOKE SIZE 64TH INCH	REMARKS
1													
0904		7/26	.5493		782.7					722			
2													
0905			.5319		757.9					695			
3													
0906			.5140		732.4					667			
4													
0907			.4937		703.4					647			
5													
0908			.4789		682.3					625			
6													
0909			.4621		658.3					609			
7													
0910			.4391		625.5		.4448		624.9	575			
9													
0912			.3850		548.3					522			
10													
0914			.3321		472.8					451			
11													
0916			.2959		421.1					407			
12													
0918			.2670		379.9					365			
13													
0920			.2420		344.2					325			
14													
18													
0925			.1990		282.8		.2030		282.5				

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED: MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** a+P_s=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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AREA: CARBON COUNTY, UT

TEST: MULTI-RATE & ISOCHRONAL

DATE: 26 - 31 JULY, 1982

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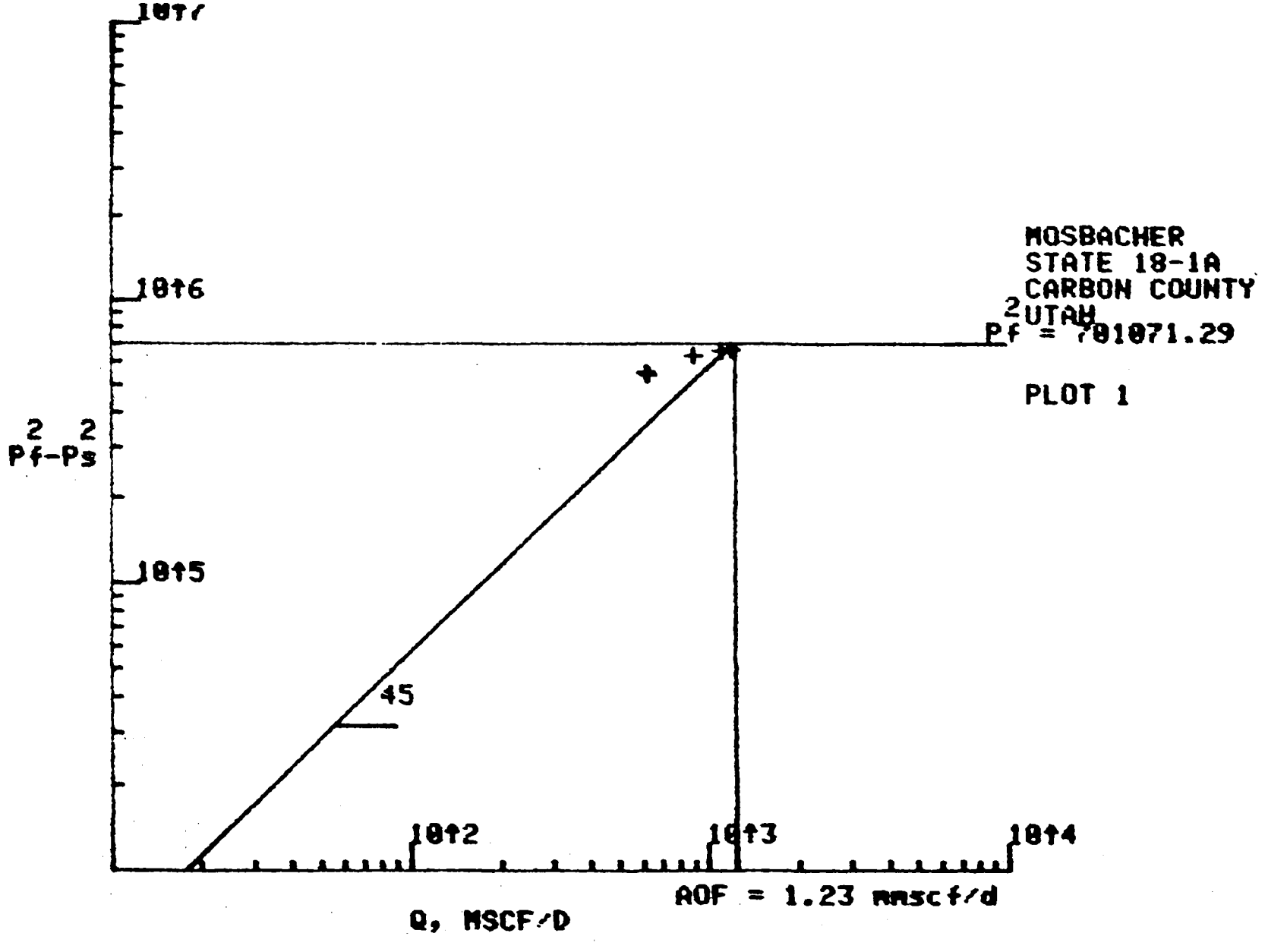
FLOW/SHUT-IN SEQUENCE

Flow (hours)	Shut-in (hours)	Started (date/time)	Choke (64th-inch)
2.00		26 JULY/0900	40
3.50		1100	32
3.50		1430	24
9.50		1800	16
	37.50	27 JULY/0330	0
2.00		28 JULY/1700	4
	5.00	1900	0
2.00		29 JULY/0000	8
	12.50	0200	0
3.33		1430	12
	12.67	1750	0
2.33		30 JULY/0630	16
	12.67	0850	0
4.00		2130	8
	7.50+	31 JULY/0130	0

PRESSURE AND FLOW RATE SUMMARY

DATE	TIME	FLOW OR SHUT-IN TIME (HRS)	CHOKE (64TH)	....PRESSURES.... TUBING (PSIG)	DOWN-HOLE (PSIG)	.....RATES..... GAS (MCF/D)	OIL (B/D)	WATER (B/D)
26JUL82	0900	0.00	40	769	826.1	0.0	0.0	0.0
	1100	2.00	40	147	178.4	1168.9	0.0	0.0
	1430	3.50	32	153	180.2	940.2	0.0	0.0
	1800	3.50	24	207	234.4	853.4	0.0	0.0
27JUL82	0330	9.50	16	350	374.0	604.9	0.0	0.0
	0330	0.00	0	350	374.0	0.0	0.0	0.0
	0430	1.00	0	540	579.5	0.0	0.0	0.0
	0530	2.00	0	574	610.9	0.0	0.0	0.0
	0730	4.00	0	610	649.7	0.0	0.0	0.0
	1130	8.00	0	662	703.7	0.0	0.0	0.0
	1830	15.00	0	714	759.2	0.0	0.0	0.0
28JUL82	1530	36.00	0	763	812.4	0.0	0.0	0.0
	1900	2.00	4	757	0.0	89.9	0.0	0.0
29JUL82	0000	5.00	0	765	0.0	0.0	0.0	0.0
	0200	2.00	8	719	0.0	303.5	0.0	0.0
	1430	12.50	0	767	0.0	0.0	0.0	0.0
	1750	3.33	12	597	0.0	675.8	0.0	0.0
30JUL82	0630	12.67	0	762	0.0	0.0	0.0	0.0
	0850	2.33	16	465	0.0	924.9	0.0	0.0
	2130	12.67	0	760	0.0	0.0	0.0	0.0
	2330	2.00	8	707	0.0	359.4	0.0	0.0
31JUL82	0130	4.00	8	700	0.0	352.6	0.0	0.0
	0900	7.50	0	760	0.0	0.0	0.0	0.0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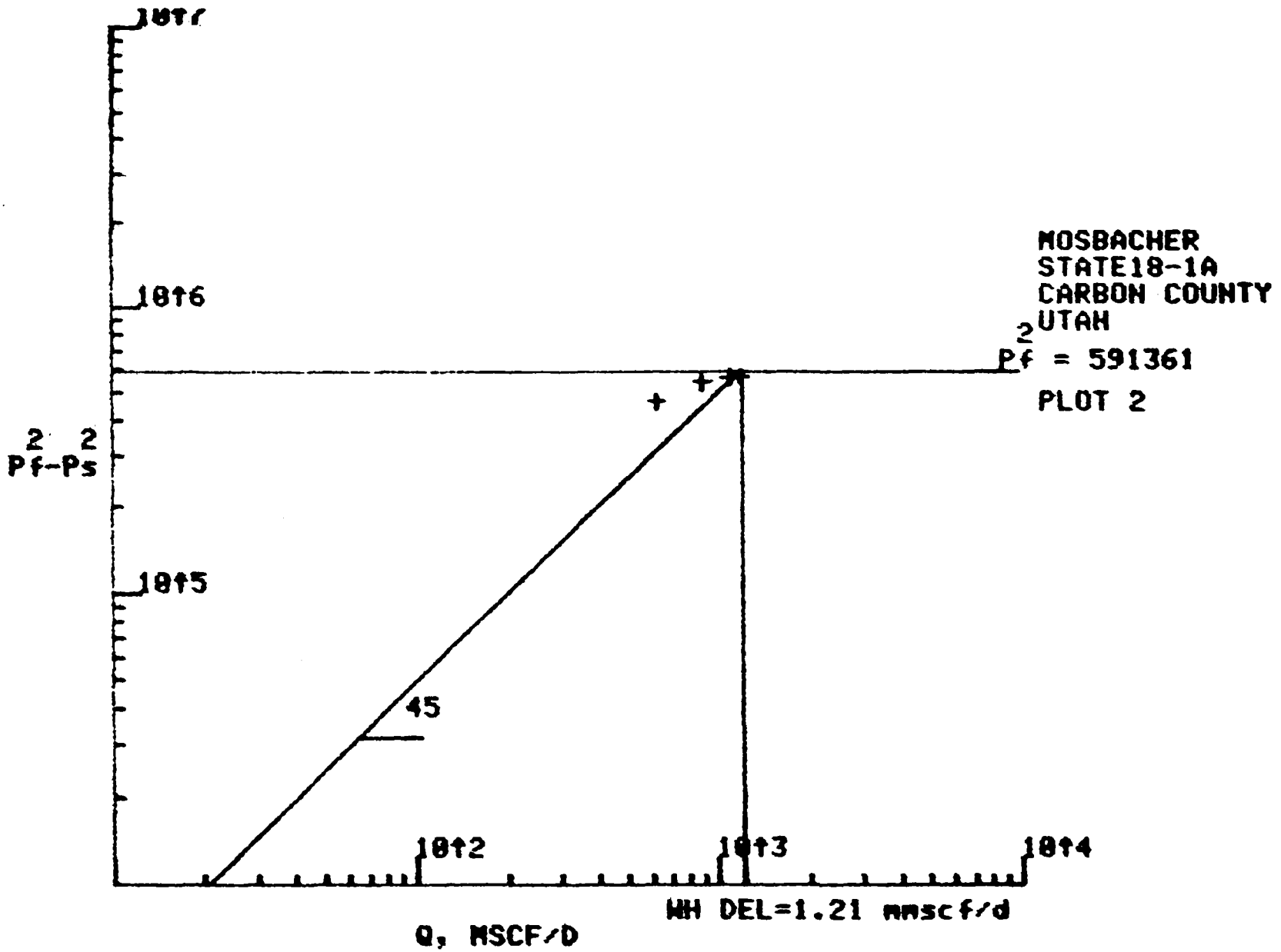
10↑6
10↑5
2 2
Pf-Ps
45
10↑2
10↑3
10↑4
Q, MSCF/D
MOSBACHER
STATE 18-1A
CARBON COUNTY
UTAH
Pf = 701071.29
PLOT 1
AOF = 1.23 mmscf/d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10↑4
45
MOSBACHER
STATE18-1A
CARBON COUNTY
UTAH
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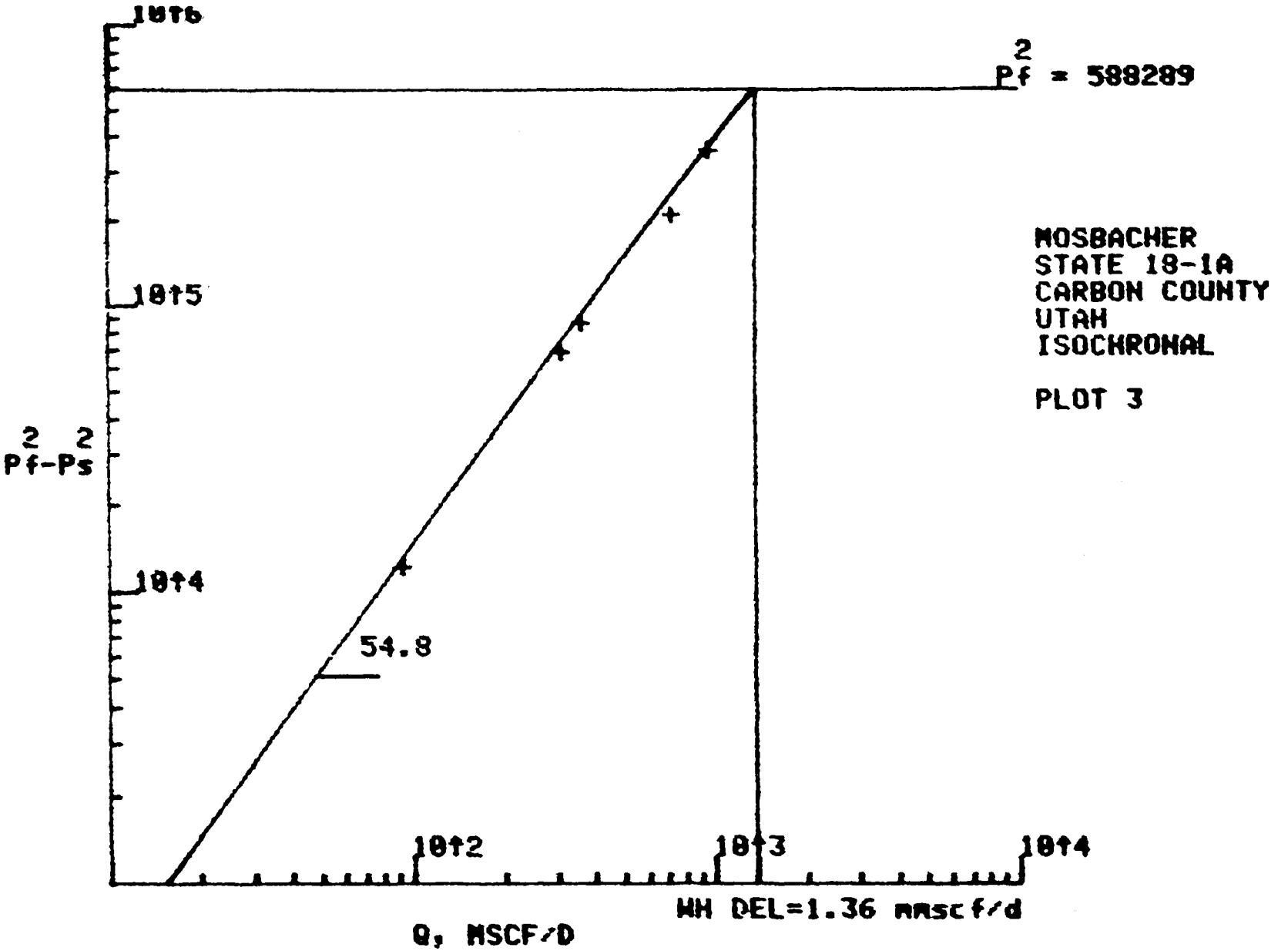
PLOT 2
Pf²-Ps²
Q, MSCF/D
WH DEL=1.21 mmscf/d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P_f^2 = 588289
$P_f^2 - P_s^2$
54.8
MOSBACHER
STATE 18-1A
CARBON COUNTY
UTAH
ISOCHRONAL
PLOT 3
WH DEL=1.36 mmscf/d
Q, MSCF/D

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN TBG. ID INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K_m	CALIBRATION $\delta \cdot P_c$	DEPTH SET FT.
				"			☐ ☐

LOWER GAUGE

PRESS ELE NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K_m	CALIBRATION $\delta \cdot P_c$	DEPTH SET FT.
							☐ ☐

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY / TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+\delta+P_c+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+\delta+P_c+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP. °F	CHOKE SIZE 64TH INCH	REMARKS
1 0930		7/26	.1753		249.0					228			
2 0935			.1598		226.9					197			
3 0940			.1499		212.8		.1543		213.6	.185			
4 0945			.1450		205.8					176			
5 0950			.1417		201.1					166			
6 0955			.1392		197.5					165			
7 1000			.1377		195.4					163			
8													
9 1010			.1350		191.5					160			
10 1020			.1322		187.5					158			
11 1030			.1301		184.5					153			
12 1040			.1283		181.9					150			
13 1050			.1264		179.2					149			
14 1100			.1258		178.4		.1306		180.0	147			
15		Change choke										32	

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.

** $\delta+P_c=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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Mosbacher Prod. Co.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN. TBG ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION B+Pe	DEPTH SET FT.

LOWER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION B+Pe	DEPTH SET FT.

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY / TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+B+P_e+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+B+P_e+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1 / 1100		7/26	.1258		178.4		.1306		180.0	147			
2 / 1101			.1269		179.9								
3 / 1102			.1287		182.5								
4 / 1103			.1307		185.4								
5 / 1104			.1322		187.5								
6 / 1105			.1348		191.2		.1394		192.5	165			
7 / 1106			.1362		193.2								
8 / 1107			.1382		196.1								
9 / 1108			.1397		198.2								
10 / 1109			.1408		199.8								
11 / 1110			.1416		200.9					173			
12													
13 / 1112			.1429		202.8								
14 / 1114			.1439		204.2								
15 / 1116			.1449		205.6								

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED: MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** B+Pe=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN. TBG. ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS. ELE. NO	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION a-Pa	DEPTH SET FT.

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION a-Pa	DEPTH SET FT.

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_e+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_e+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP. °F	CHOKE SIZE 64TH INCH	REMARKS
1 1118		7/26	.1450		205.8								
2 1120			.1459		207.1					178			
3													
4 1125			.1461		207.3		.1509		208.8	178			
5 1130			.1461		207.3					178			
6													
7 1140			.1459		207.1					177			
8 1150			.1449		205.6					176			
9 1200			.1437		203.9					174			
10 1210			.1421		201.6					172			
11 1220			.1410		200.1					170			
12 1230			.1399		198.5					168			
13 1240			.1389		197.1					167			
14 1250			.1374		194.9		.1419		196.0	166			
15 1300			.1361		193.1					164			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** a+Pe=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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Mosbacher Prod. Co.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN TBG ID INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE	CALIBRATION MODULUS K=	CALIBRATION a+Pg	DEPTH SET FT.
				/ /			

LOWER GAUGE

PRESS. ELE NO.	PRESS. ELE RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K=	CALIBRATION a+Pg	DEPTH SET FT.

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_g+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON LINEAR * CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_g+C_L$	WELLHEAD PRESSURE (DWT) PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1													
2 1315		7/26	.1349		191.4								
3 1330			.1333		189.1					162			
4 1345			.1311		185.9								
5 1400			.1299		184.2					156			
6 1415			.1289		182.8								
7 1430			.1271		180.2		.1319		181.9	153			
8	Change choke											24	
9 1430			.1271		180.2		.1319		181.9	153			
10 1431			.1298		184.1								
11 1432			.1334		189.2								
12 1433			.1371		194.5								
13 1434			.1400		198.6								
14 1435			.1432		203.2					177			
15 1436			.1469		208.5		.1514		209.5				

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** a+Pg=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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Mosbacher Prod. Co.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT	

PERFORATED INTERVAL (FT)	MAX TEMP	MIN. TBG. ID	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE NO	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a+Pf	DEPTH SET
	PSI		HRS.	t_f	K=		FT. ☐TV ☐MD

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a+Pf	DEPTH SET
	PSI		HRS		K=		FT. ☐TV ☐MD

BOTTOM HOLE PRESSURES

	TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
	DAY HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+a+P_f+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+a+P_f+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1	1437		7/26	.1491		211.6								
2	1438			.1519		215.6								
3	1439			.1537		218.2								
4	1440			.1550		220.0		.1598		221.4	196			
5														
6	1445			.1640		232.9					207			
7	1450			.1689		239.9					213			
8	1455			.1719		244.2					217			
9	1500			.1732		246.0					220			
10														
11	1510			.1758		249.7					222			
12	1520			.1760		250.0					222			
13	1530			.1759		249.9					222			
14	1540			.1758		249.7		.1804		250.5	222			
15	1550			.1750		248.6					221			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** a+Pe=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX T.EMP °F	MIN. TBG. ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE	CALIBRATION MODULUS Ku	CALIBRATION P_s	DEPTH SET FT.
				/ /			☐ ☐

LOWER GAUGE

PRESS ELE NO	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Ku	CALIBRATION P_s	DEPTH SET FT.
							☐ ☐

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY / TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P_s=KY+B+P_s+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR * CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P_s=KY+B+P_s+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1 1600		7/26	.1740		247.2					220			
2 1610			.1732		246.0		.1785		247.8	218			
3 1620			.1727		245.3					217			
4 1630			.1719		244.2					216			
5													
6 1645			.1708		242.6								
7 1700			.1698		241.2					213			
1715			.1681		238.7								
9 1730			.1671		237.3					210			
10 1745			.1662		236.0								
11 1800			.1650		234.3		.1708		236.9	207			
12	Change	choke										16	
13 1800			.1650		234.3		.1708		236.9	207			
14 1801			.1701		241.6								
15 1802			.1749		248.4								

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** $B+P_s=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN TBG ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE	CALIBRATION MODULUS K_m	CALIBRATION $\beta \cdot P_s$	DEPTH SET FT
				f_f			☐ ☐

LOWER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K_m	CALIBRATION $\beta \cdot P_s$	DEPTH SET FT
							☐ ☐

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY / TIME HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION $\frac{C_L}{\cdot}$ MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+\beta+P_s+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION $\frac{C_L}{\cdot}$ MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+\beta+P_s+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1													
1803		7/26	.1797		255.3								
2													
1804			.1843		261.9								
3													
1805			.1889		268,4		.1947		270.8	251			
4													
5													
1810			.2090		297.1					273			
6													
1815			.2236		317.9					298			
7													
1820			.2342		333.1					310			
8													
1825			.2429		345.5					322			
9													
1830			.2489		354.0					329			
10													
11													
1840			.2580		367.0					340			
12													
1850			.2640		375.6		.2707		378.4	347			
13													
1900			.2675		380.6					351			
14													
1910			.2692		383.0					353			
15													
1920			.2702		384.4					354			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.

** $\beta+P_s=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP	MIN. TBG. ID.	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a-Pe	DEPTH SET
	PSI		HRS.	ft	K=		FT.

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a-Pe	DEPTH SET
	PSI		HRS		K=		FT.

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_e+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_e+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1													
1930		7/26	.2711		385.7					355			
2													
1940			.2711		385.7					355			
3													
1950			.2711		385.7					355			
4													
2000			.2711		385.7		.2774		387.9	355			
5													
6													
2015			.2711		385.7								
7													
2030			.2714		386.2					355			
8													
2045			.2721		387.2					356			
9													
2100			.2731		388.6					356			
10													
2115			.2740		389.9					356			
11													
2130			.2740		389.9					357			
12													
2145			.2735		389.2					357			
13													
2200			.2730		388.4					357			
14													
2215			.2724		387.6					357			
15													
2230			.2720		387.0		.2790		390.2	357			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED: MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** a+Pe=0, C_L=0 WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN TBG ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION δ-P_d	DEPTH SET FT.
				6/			☐TV ☐MD

LOWER GAUGE

PRESS. ELE. NO	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS Km	CALIBRATION δ-P_d	DEPTH SET FT.
							☐TV ☐MD

BOTTOM HOLE PRESSURES

	TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
	DAY / 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+\delta+P_d+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+\delta+P_d+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP. °F	CHOKE SIZE 64TH INCH	REMARKS
1	2245		7/26	.2709		385.4					357			
2	2300			.2703		384.6					357			
3	2315			.2703		384.6		.2774		387.9	357			
4	2330			.2703		384.6					357			
5	2345			.2703		384.6					357			
6	2400			.2698		383.9					357			
7														
8	0100		7/27	.2671		380.0					352			
9	0200			.2651		377.2					350			
10	0300			.2638		375.3					350			
11	0330			.2629		374.0		.2711		379.0	350			
12		Shut in												
13	0330			.2629		374.0		.2711		379.0	350			
14	0331			.2690		382.7					355			
15	0332			.2770		394.1					362			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** $\delta+P_d=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP	MIN. TBG. ID.	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a+P_a$	DEPTH SET
	PSI		HRS.		K_m		FT. ☐ ☐

LOWER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a+P_a$	DEPTH SET
	PSI		HRS.		K_m		FT. ☐ ☐

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1													
0333		7/27	.2823		401.7					375			
2													
0334			.2885		410.6					385			
3													
0335			.2950		419.8		.3018		422.4	394			
4													
0336			.2999		426.8					402			
5													
0337			.3061		435.7					409			
6													
0338			.3131		445.7					422			
7													
0339			.3171		451.4					425			
8													
0340			.3220		458.4					430			
9													
10													
0342			.3309		471.1					447			
11													
0344			.3409		485.3		.3473		486.9	455			
12													
0346			.3481		495.6					467			
13													
0348			.3531		502.7					477			
14													
0350			.3600		512.6					482			
15													

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** $a+P_a=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN. TBG. ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE	CALIBRATION MODULUS K_M	CALIBRATION $\delta \cdot P_g$	DEPTH SET FT.
							t_1 ☐T ☐M

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K_M	CALIBRATION $\delta \cdot P_g$	DEPTH SET FT.
							☐T ☐M

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE $P=Ky+\delta \cdot P_g + C_L$ **	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE $P=Ky+\delta \cdot P_g + C_L$ **	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1 0355		7/27	.3719		529.6								
2 0400			.3810		542.6					509			
3 0405			.3879		552.4					517			
4 0410			.3930		559.7		.4000		561.5	526			
5 0415			.3969		565.3					530			
6 0420			.4003		570.1					532			
7 0425			.4035		574.7					537			
8 0430			.4069		579.5					540			
9													
10 0440			.4117		586.4					546			
11 0450			.4158		592.2					555			
12 0500			.4199		598.1					560			
13 0510			.4231		602.6								
14 0520			.4260		606.8								
15 0530			.4289		610.9		.4353		611.5	574			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.

** $\delta \cdot P_g = 0$, $C_L = 0$ WHEN MODULUS CURVE CALIBRATION USED

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP °F	MIN. TBG. ID. INS	PACKER DEPTH FT	END OF TBG FT	GAUGE CALIBRATION TECHNIQUE
					☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS.	CALIBRATION DATE t_f	CALIBRATION MODULUS K=	CALIBRATION $\beta - P_s$	DEPTH SET FT. ☐T ☐M

LOWER GAUGE

PRESS ELE NO	PRESS. ELE. RANGE PSI	INNER HOUSING NO.	CHART TIME RANGE HRS	CALIBRATION DATE	CALIBRATION MODULUS K=	CALIBRATION $\beta - P_s$	DEPTH SET FT. ☐T ☐M

BOTTOM HOLE PRESSURES

TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
DAY TIME 24 HR. CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+\beta+P_s+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION, C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=KY+\beta+P_s+C_L$	WELLHEAD PRESSURE CDWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1													
2 0545		7/27	.4330		616.7		.4396		617.6	577			
3 0600			.4368		622.2					585			
4 0615			.4401		626.9					590			
5 0630			.4439		632.3					594			
6 0645			.4470		636.7					598			
7 0700			.4500		641.0					603			
8 0715			.4533		645.7					606			
9 0730			.4561		649.7					610			
10 0745			.4591		654.0					614			
11 0800			.4620		658.2					618			
12 0815			.4649		662.3					622			
13 0830			.4671		665.4					626			
14 0845			.4699		669.4		.4758		668.8	630			
15 0900			.4721		672.6					632			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.
** $\beta+P_s=0$, $C_L=0$ WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	

PERFORATED INTERVAL (FT)	MAX TEMP	MIN. TBG. ID.	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a - P_a	DEPTH SET
	PSI		HRS.	t_f	Km		FT. ☐T ☐M

LOWER GAUGE

PRESS ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION a - P_a	DEPTH SET
	PSI		HRS		Km		FT. ☐T ☐M

BOTTOM HOLE PRESSURES

	TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
	DAY TIME 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP °F	CHOKE SIZE 64TH INCH	REMARKS
1	0915		7/27	.4748		676.4					635			
2	0930			.4771		679.7		.4838		680.2	638			
3														
4	1030			.4865		693.1					651			
5	1130			.4939		703.7					662			
6	1230			.5011		714.0					672			
7	1330			.5075		723.1					680			
8	1430			.5131		731.1					687			
9	1530			.5091		739.6					-702	6 0 5		
10	1630			.5239		746.5					-709	7 2		
11	1730			.5281		752.5		.5343		751.7	-714	7 1 4		
12	1830			.5328		759.2								
13														
14	2400			.5491		782.4					738			
15	0500		7/28	.5593		797.0					750			

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.

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WELL	LEASE	FIELD	COUNTY/PARISH	STATE	DATUM	REF. ELEV.
18-1A	State				FT.	FT

PERFORATED INTERVAL (FT)	MAX TEMP	MIN TBG. ID.	PACKER DEPTH	END OF TBG	GAUGE CALIBRATION TECHNIQUE
	°F	INS	FT	FT	☐LEAST SQUARES ☐MODULUS CURVE ☐OTHER

UPPER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a-P_a$	DEPTH SET
	PSI		HRS.		K_m		FT. ☐TVD ☐MEAS

LOWER GAUGE

PRESS. ELE. NO.	PRESS. ELE. RANGE	INNER HOUSING NO.	CHART TIME RANGE	CALIBRATION DATE	CALIBRATION MODULUS	CALIBRATION $a-P_a$	DEPTH SET
	PSI		HRS.		K_m		FT. ☐TVD ☐MEAS

BOTTOM HOLE PRESSURES

	TIME		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
	DAY / 24 HR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION Y (INCHES)	NON-LINEAR* CORRECTION C_L / MODULUS	BOTTOM-HOLE PRESSURE ** $P=Ky+a+P_a+C_L$	WELLHEAD PRESSURE ☐DWT PSIG	WH TEMP. °F	CHOKE SIZE 64TH INCH	REMARKS
1	1000		7/28	.5652		805.4		.5712		803.9	759			
2	1500			.5691		811.0					763			
3	1530			.5701		812.4		.5761		810.9	763			
4		Surface												
5				.5350		762.3		.5422		762.9				
6				-END OF	CHART-			-END OF	CHART-					
7														
8														
9														
10														
11														
12														
13														
14														
15														

*NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED; MODULUS WHEN MODULUS CURVE CALIBRATION USED.

** $P=Ky+a+P_a+C_L$ (WHEN MODULUS CURVE CALIBRATION USED)

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	1	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT IN TIME (HOURS)	WELL HEAD PRESSURE (psi)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (psi)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
1 26 0900	0.00	769	72	40		826.1	0		BEGIN FIRST FLOW RATE, BHP EQT. AT SURVEY DEPTH.					
2 26 0901	0.02	767	72	40		820.8	0							
3 26 0902	0.03	760	72	40		810.7	0							
4 26 0903	0.05	742	71	40		799.3	0							
5 26 0904	0.07	722	70	40		782.7	0							
6 26 0905	0.08	695	69	40		757.9	0							
7 26 0906	0.10	667	69	40		732.4	0							
8 26 0907	0.12	647	68	40		703.4	0							
9 26 0908	0.13	625	67	40		682.3	0							
10 26 0909	0.15	609	66	40		658.3	0							
11 26 0910	0.17	575	65	40		625.5	0							
12 26 0912	0.20	522	65	40		548.3	0							
13 26 0914	0.23	451	64	40		472.8	0							
14 26 0916	0.27	407	64	40		421.1	0							
15 26 0918	0.30	365	63	40		379.9	0							
16 26 0920	0.33	325	62	40		344.2	0							

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
900	920			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
0.0	0.0	0.0			

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	2	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psig)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psig)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psig)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF	
1 26 0924	0.40	275	60	40					BHP UNRECORDED.						1
2 26 0925	0.42	0	0	40		282.8	0		SURFACE READINGS UNRECORDED.						2
3 26 0930	0.50	228	56	40		249.0	0								3
4 26 0935	0.58	197	56	40		226.9	0								4
5 26 0940	0.67	185	56	40		212.8	0								5
6 26 0945	0.75	176	56	40		205.8	0								6
7 26 0950	0.83	166	57	40		201.1	0								7
8 26 0955	0.92	165	58	40		197.5	0								8
9 26 1000	1.00	163	58	40	74	195.4	0	1297.31	0.00	0.00	0.000	0.00	0.00	0.00	9
10 26 1010	1.17	160	58	40		191.5	0								10
11 26 1020	1.33	158	59	40		187.5	0								11
12 26 1030	1.50	153	60	40	73	184.5	0	1253.79	0.00	0.00	0.000	0.00	0.00	0.00	12
13 26 1040	1.67	150	60	40		181.9	0								13
14 26 1050	1.83	149	60	40		179.2	0								14
15 26 1100	2.00	147	61	40	70	178.4	0	1168.88	END FIRST FLOW RATE. 0.00	0.00	0.000	0.00	0.00	0.00	15
16 26 1100	0.00	147	61	32		178.4	0		BEGIN SECOND FLOW RATE.						16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
920	1100			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
56.8	0.0	0.0			

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	3	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI ←)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSI ←)	BOTTOM HOLE PRESSURE @ DEPTH (FT) (PSI ≤)	BOTTOM HOLE TEMP @ DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
1 26 1101	0.02	165	61	32		179.9	0		ZERO INDICATES READING UNRECORDED.					1
2 26 1102	0.03	0	0	32		182.5	0							2
3 26 1103	0.05	0	0	32		185.4	0							3
4 26 1104	0.07	0	0	32		187.5	0							4
5 26 1105	0.08	165	61	32		191.2	0							5
6 26 1106	0.10	0	0	32		193.2	0							6
7 26 1107	0.12	0	0	32		196.1	0							7
8 26 1108	0.13	0	0	32		198.2	0							8
9 26 1109	0.15	0	0	32		199.8	0							9
10 26 1110	0.17	173	61	32		200.9	0							10
11 26 1112	0.20	0	0	32		202.8	0							11
12 26 1114	0.23	0	0	32		204.2	0							12
13 26 1115	0.25	176	61	32					BHP UNRECORDED.					13
14 26 1116	0.27	0	0	32		205.6	0							14
15 26 1118	0.30	0	0	32		205.8	0							15
16 26 1120	0.33	178	61	32		207.1	0							16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1100	1120			

GAS (MSCF): 3.2 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-I-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	4	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSI)	WELL HEAD TEMP (°F)	CHOKE SIZE Minima (64TH INCH)	SEPARATOR PRESSURE (PSI)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (PSI)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ (GOR MSCF/STO BBL) ☐ (OGR STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF	
26 1125	0.42	178	61	32		207.3	0								1
26 1130	0.50	178	61	32	77	207.3	0	1063.12	0.00	0.00	0.000	0.00	0.00	0.00	2
26 1140	0.67	177	61	32		207.1	0								3
26 1150	0.83	176	61	32		205.6	0								4
26 1200	1.00	174	61	32	78	203.9	0	1116.77	0.00	0.00	0.000	0.00	0.00	0.00	5
26 1210	1.17	172	61	32		201.6	0								6
26 1220	1.33	170	62	32		200.1	0								7
26 1230	1.50	168	63	32	73	198.5	0	1095.35	0.00	0.00	0.000	0.00	0.00	0.00	8
26 1240	1.67	167	63	32		197.1	0								9
26 1250	1.83	166	63	32		194.9	0								10
26 1300	2.00	164	63	32	73	193.1	0	1078.83	0.00	0.00	0.000	0.00	0.00	0.00	11
26 1315	2.25	0	0	32		191.4	0								12
26 1330	2.50	162	63	32	68	189.1	0	1029.92	0.00	0.00	0.000	0.00	0.00	0.00	13
26 1345	2.75	0	0	32		185.9	0								14
26 1400	3.00	156	64	32	65	184.2	0	999.50	0.00	0.00	0.000	0.00	0.00	0.00	15
26 1415	3.25	0	0	32		182.8	0								16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
1120	1415		125.6	0.0	0.0

FLOW TIME END FOR TEST UP TO	NUMBER OF RATE	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	5	24

CUSTOMER	OIL GRAVITY @ 60 °F (°API)	GAS SPECIFIC GRAVITY (AIR 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.5632	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi S)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi S)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psi S)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF	
				Minima											
* 26 1430	3.50	153	64	32	68	180.2	0	END SECOND FLOW RATE. 940.24	0.00	0.00	0.000	0.00	0.00	0.00	1
* 26 1430	0.00	153	64	24		180.2	0	BEGIN THIRD FLOW RATE.							2
* 26 1431	0.02	0	0	24		184.1	0								3
* 26 1432	0.03	0	0	24		189.2	0								4
* 26 1433	0.05	0	0	24		194.5	0								5
* 26 1434	0.07	0	0	24		198.6	0								6
* 26 1435	0.08	177	62	24		203.2	0								7
* 26 1436	0.10	0	0	24		208.5	0								8
* 26 1437	0.12	0	0	24		211.6	0								9
* 26 1438	0.13	0	0	24		215.6	0								10
* 26 1439	0.15	0	0	24		218.2	0								11
* 26 1440	0.17	196	61	24		220.0	0								12
* 26 1445	0.25	207	61	24		232.9	0								13
* 26 1450	0.33	213	61	24		239.9	0								14
* 26 1455	0.42	217	61	24		244.2	0								15
* 26 1500	0.50	220	61	24	85	246.0	0	802.37	0.00	0.00	0.000	0.00	0.00	0.00	16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1415	1500			

GAS (MSCF):	OIL (BBLS):	WATER (BBLS):	GAS (MSCF):	OIL (BBLS):	WATER (BBLS):
15.2	0.0	0.0			

TEST RESULTS

OEC-865-I-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD-UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26 JUL 82	6	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (psi ≤)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (psi ≤)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (psi ≤)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL/MMCF
				Minima										
1 26 1510	0.67	222	60	24		249.7	0							1
2 26 1520	0.83	222	60	24		250.0	0							2
3 26 1530	1.00	222	60	24	90	249.9	0	836.37	0.00	0.00	0.000	0.00	0.00	0.00 3
4 26 1540	1.17	222	60	24		249.7	0							4
5 26 1550	1.33	221	60	24		248.6	0							5
6 26 1600	1.50	220	60	24	90	247.2	0	863.92	0.00	0.00	0.000	0.00	0.00	0.00 6
7 26 1610	1.67	218	60	24		246.0	0							7
8 26 1620	1.83	217	60	24		245.3	0							8
9 26 1630	2.00	216	60	24	90	244.2	0	876.59	0.00	0.00	0.000	0.00	0.00	0.00 9
10 26 1645	2.25	0	0	24		242.6	0							10
11 26 1700	2.50	213	60	24	88	241.2	0	867.58	0.00	0.00	0.000	0.00	0.00	0.00 11
12 26 1715	2.75	0	0	24		238.7	0							12
13 26 1730	3.00	210	60	24	88	237.3	0	864.20	0.00	0.00	0.000	0.00	0.00	0.00 13
14 26 1745	3.25	0	0	24		236.0	0							14
								END THIRD FLOW RATE.						
15 26 1800	3.50	207	60	24	88	234.4	0	853.40	0.00	0.00	0.000	0.00	0.00	0.00 15
								BEGIN FOURTH FLOW RATE.						
16 26 1800	0.00	207	60	16		234.3	0							16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1500	1800			

GAS (MSCF): 106.8 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

TEST RESULTS

OEC-865-1-C

TEST NUMBER	WELL NAME OR NUMBER	AREA	RATE/BUILD UP NUMBER DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	UTAH	26JUL82	7	24

CUSTOMER	OIL GRAVITY @ 60°F (°API)	GAS SPECIFIC GRAVITY (AIR = 1)	INTERVAL TESTED (FEET)	STANDARD CONDITIONS
MOSBACHER PRODUCTION COMPANY	0.0	0.0000	2752-2836	14.73 PRESS 60 TEMP

DAY / TIME (24 HR CLOCK)	FLOW OR SHUT-IN TIME (HOURS)	WELL HEAD PRESSURE (PSIG)	WELL HEAD TEMP (°F)	CHOKE SIZE (64TH INCH)	SEPARATOR PRESSURE (PSIG)	BOTTOM HOLE PRESSURE @ 2844 DEPTH (FT) (PSIG)	BOTTOM HOLE TEMP @ 2844 DEPTH (FT) (°F)	CORRECTED GAS FLOW RATE Q_g (MSCF/D)	CORRECTED OIL FLOW RATE Q_o (STO BPD)	WATER FLOW RATE (BPD)	X ☐ GOR (MSCF/STO BBL) ☐ OGR (STO BBL/MSCF)	WOR (BBL/STO BBL)	WGR (BBL/MMSCF)	LGR BL./MMCF
1 26 1801	0.02	0	0	16		241.6	0							1
2 26 1802	0.03	0	0	16		248.4	0							2
3 26 1803	0.05	0	0	16		255.3	0							3
4 26 1804	0.07	0	0	16		261.9	0							4
5 26 1805	0.08	251	60	16		268.4	0							5
6 26 1810	0.17	273	60	16		297.1	0							6
7 26 1815	0.25	298	60	16		317.9	0							7
8 26 1820	0.33	310	60	16		333.1	0							8
9 26 1825	0.42	322	61	16		345.5	0							9
10 26 1830	0.50	329	61	16	110	354.0	0	533.96	0.00	0.00	0.000	0.00	0.00	0.00 10
11 26 1840	0.67	340	61	16		367.0	0							11
12 26 1850	0.83	347	61	16		375.6	0							12
13 26 1900	1.00	351	60	16	120	380.6	0	616.96	0.00	0.00	0.000	0.00	0.00	0.00 13
14 26 1910	1.17	353	60	16		383.0	0							14
15 26 1920	1.33	354	60	16		384.4	0							15
16 26 1930	1.50	355	60	16	120	385.7	0	622.59	0.00	0.00	0.000	0.00	0.00	0.00 16

TOTAL WELL EFFLUENTS PRODUCED

FLOW TIME FROM	FLOW TIME TO	NUMBER FOR RATE	FLOW TIME END FOR TEST UP TO	NUMBER OF RATE
1800	1930			

GAS (MSCF): 28.8 OIL (BBLS): 0.0 WATER (BBLS): 0.0

GAS (MSCF): OIL (BBLS): WATER (BBLS):

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	FAC-15	26JUL82	1	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS. H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	2844.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS.	BHP	BHT	MAN. CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF. PRESS	TEMP	GAS GRAVITY (AIR=1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) (IN)	(64TH) (IN)	(INS)	(PSIG)	(IN H_2O)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS OR BBL)	(%)
1 26	BEGIN FIRST FLOW RATE, BHP EQT. AT SURVEY DEPTH.											1	0.000	0.00	0		0.000	0.00	1
0900	0.00	769	72	0	826.1	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
2 26												2	0.000	0.00	0		0.000	0.00	2
0901	0.02	767	72	0	820.8	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
3 26												3	0.000	0.00	0		0.000	0.00	3
0902	0.03	760	72	0	810.7	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
4 26												4	0.000	0.00	0		0.000	0.00	4
0903	0.05	742	71	0	799.3	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
5 26												5	0.000	0.00	0		0.000	0.00	5
0904	0.07	722	70	0	782.7	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
6 26												6	0.000	0.00	0		0.000	0.00	6
0905	0.08	695	69	0	757.9	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
7 26												7	0.000	0.00	0		0.000	0.00	7
0906	0.10	667	69	0	732.4	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
8 26												8	0.000	0.00	0		0.000	0.00	8
0907	0.12	647	68	0	703.4	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
9 26												9	0.000	0.00	0		0.000	0.00	9
0908	0.13	625	67	0	682.3	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
10 26												10	0.000	0.00	0		0.000	0.00	10
0909	0.15	609	66	0	658.3	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
11 26												11	0.000	0.00	0		0.000	0.00	11
0910	0.17	575	65	0	625.5	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
12 26												12	0.000	0.00	0		0.000	0.00	12
0912	0.20	522	65	0	548.3	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
13 26												13	0.000	0.00	0		0.000	0.00	13
0914	0.23	451	64	0	472.8	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.0
14 26												14	0.000	0.00	0		0.000	0.00	14
0916	0.27	407	64	0	421.1	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.0
15 26												15	0.000	0.00	0		0.000	0.00	15
0918	0.30	365	63	0	379.9	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.0
16 26												16	0.000	0.00	0		0.000	0.00	16
0920	0.33	325	62	0	344.2	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.0
17 26	BHP UNRECORDED.											17	0.000	0.00	0		0.000	0.00	17
0924	0.40	275	60	0	0.0	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.0

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO.	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO., YR.)	PAGE	OF
	STATE 18-1A	PAC-15	26JUL82	2	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	2844.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS	BHP	BHT	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR=1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	(IN_{H_2O})	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS. OR BBL)	(%)
1 26	SURFACE READINGS UNRECORDED.											1	0.000	0.00	0		0.000	0.00	1
0925	0.42	0	0	0	282.8	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
2 26												2	0.000	0.00	0		0.000	0.00	2
0930	0.50	228	56	0	249.0	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
3 26												3	0.000	0.00	0		0.000	0.00	3
0935	0.58	197	56	0	226.9	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
4 26												4	0.000	0.00	0		0.000	0.00	4
0940	0.67	185	56	0	212.8	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
5 26												5	0.000	0.00	0		0.000	0.00	5
0945	0.75	176	56	0	205.8	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
6 26												6	0.000	0.00	0		0.000	0.00	6
0950	0.83	166	57	0	201.1	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
7 26												7	0.000	0.00	0		0.000	0.00	7
0955	0.92	165	58	0	197.5	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
8 26												8	0.561	0.00	0		0.000	0.00	8
1000	1.00	163	58	0	195.4	0	0	40	1.500	74	92	81	0.00	0.00	0	0.00	0.0	0.00	0.00
9 26												9	0.000	0.00	0		0.000	0.00	9
1010	1.17	160	58	0	191.5	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
10 26												10	0.000	0.00	0		0.000	0.00	10
1020	1.33	158	59	0	187.5	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
11 26												11	0.561	0.00	0		0.000	0.00	11
1030	1.50	153	60	0	184.5	0	0	40	1.500	73	88	87	0.00	0.00	0	0.00	0.0	0.00	0.00
12 26												12	0.000	0.00	0		0.000	0.00	12
1040	1.67	150	60	0	181.9	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
13 26												13	0.000	0.00	0		0.000	0.00	13
1050	1.83	149	60	0	179.2	0	0	40	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
14 26	END FIRST FLOW RATE.											14	0.561	0.00	0		0.000	0.00	14
1100	2.00	147	61	0	178.4	0	0	40	1.500	70	80	91	0.00	0.00	0	0.00	0.0	0.00	0.00
15 26	BEGIN SECOND FLOW RATE.											15	0.000	0.00	0		0.000	0.00	15
1100	0.00	147	61	0	178.4	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
16 26	ZERO INDICATES READING UNRECORDED.											16	0.000	0.00	0		0.000	0.00	16
1101	0.02	165	61	0	179.9	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
17 26												17	0.000	0.00	0		0.000	0.00	17
1102	0.03	0	0	0	182.5	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
GEC - 803-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	PAC-15	26JUL82	3	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS. H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	2844.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME	WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY / 24 HOUR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TUBING PRESS (PSIG)	TEMP (°F)	CASING PRESS (PSIG)	B H P (PSIG)	B H T (°F)	MAN. CHOKE (64TH) IN)	HEATER CHOKE (64TH) IN)	ORIFICE SIZE (INS)	STATIC PRESS (PSIG)	DIFF PRESS ($\frac{IN}{H_2O}$)	TEMP (°F)	GAS GRAVITY (AIR = 1) / % H_2S	# 1 TANK OR METER READING / # 2 TANK OR METER READING (INS OR BBL	# 1 OIL TEMP / # 2 OIL TEMP (°F)	OIL GRAVITY @ 60°F °API	Wf BSW (%)	# 1 TANK OR METER READING / # 2 TANK OR METER READING (INS. OR BBL)	SALINITY (%)
1 26 1103	0.05	0	0	0	185.4	0	0	32	0.000	0	0	0	1 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	1 0.00
2 26 1104	0.07	0	0	0	187.5	0	0	32	0.000	0	0	0	2 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	2 0.00
3 26 1105	0.08	165	61	0	191.2	0	0	32	0.000	0	0	0	3 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	3 0.00
4 26 1106	0.10	0	0	0	193.2	0	0	32	0.000	0	0	0	4 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	4 0.00
5 26 1107	0.12	0	0	0	196.1	0	0	32	0.000	0	0	0	5 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	5 0.00
6 26 1108	0.13	0	0	0	198.2	0	0	32	0.000	0	0	0	6 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	6 0.00
7 26 1109	0.15	0	0	0	199.8	0	0	32	0.000	0	0	0	7 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	7 0.00
8 26 1110	0.17	173	61	0	200.9	0	0	32	0.000	0	0	0	8 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	8 0.00
9 26 1112	0.20	0	0	0	202.8	0	0	32	0.000	0	0	0	9 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	9 0.00
10 26 1114	0.23	0	0	0	204.2	0	0	32	0.000	0	0	0	10 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	10 0.00
11 26 1115	0.25	BHP UNRECORDED 176	61	0	0.0	0	0	32	0.000	0	0	0	11 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	11 0.00
12 26 1116	0.27	0	0	0	205.6	0	0	32	0.000	0	0	0	12 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	12 0.00
13 26 1118	0.30	0	0	0	205.8	0	0	32	0.000	0	0	0	13 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	13 0.00
14 26 1120	0.33	178	61	0	207.1	0	0	32	0.000	0	0	0	14 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	14 0.00
15 26 1125	0.42	178	61	0	207.3	0	0	32	0.000	0	0	0	15 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	15 0.00
16 26 1130	0.50	178	61	0	207.3	0	0	32	1.500	77	61	90	16 0.561 / 0.00	0.00 / 0.00	0 / 0	0.00	1.000 / 0.0	0.00 / 0.00	16 0.00
17 26 1140	0.67	177	61	0	207.1	0	0	32	0.000	0	0	0	17 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	17 0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO, YR)	PAGE	OF
	STATE 18-1A	FAC-15	26JUL82	4	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	2844.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS	BHP	BHT	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	(IN H_2O)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS OR BBL)	(%)
1 26													1 0.000	0.00	0		0.000	0.00	1
1150	0.83	176	61	0	205.6	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
2 26													2 0.561	0.00	0		0.000	0.00	2
1200	1.00	174	61	0	203.9	0	0	32	1.500	78	66	86	0.00	0.00	0	0.00	0.0	0.00	0.00
3 26													3 0.000	0.00	0		0.000	0.00	3
1210	1.17	172	61	0	201.6	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
4 26													4 0.000	0.00	0		0.000	0.00	4
1220	1.33	170	62	0	200.1	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
5 26													5 0.561	0.00	0		0.000	0.00	5
1230	1.50	168	63	0	198.5	0	0	32	1.500	73	67	84	0.00	0.00	0	0.00	0.0	0.00	0.00
6 26													6 0.000	0.00	0		0.000	0.00	6
1240	1.67	167	63	0	197.1	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
7 26													7 0.000	0.00	0		0.000	0.00	7
1250	1.83	166	63	0	194.9	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
8 26													8 0.563	0.00	0		0.000	0.00	8
1300	2.00	164	63	0	193.1	0	0	32	1.500	73	65	82	0.00	0.00	0	0.00	0.0	0.00	0.00
9 26													9 0.000	0.00	0		0.000	0.00	9
1315	2.25	0	0	0	191.4	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
10 26													10 0.563	0.00	0		0.000	0.00	10
1330	2.50	162	63	0	189.1	0	0	32	1.500	68	63	82	0.00	0.00	0	0.00	0.0	0.00	0.00
11 26													11 0.000	0.00	0		0.000	0.00	11
1345	2.75	0	0	0	185.9	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
12 26													12 0.561	0.00	0		0.000	0.00	12
1400	3.00	156	64	0	184.2	0	0	32	1.500	65	61	78	0.00	0.00	0	0.00	0.0	0.00	0.00
13 26													13 0.000	0.00	0		0.000	0.00	13
1415	3.25	0	0	0	182.8	0	0	32	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
14 26	END SECOND FLOW RATE.												14 0.563	0.00	0		0.000	0.00	14
1430	3.50	153	64	0	180.2	0	0	32	1.500	68	52	76	0.00	0.00	0	0.00	0.0	0.00	0.00
15 26	BEGIN THIRD FLOW RATE.												15 0.000	0.00	0		0.000	0.00	15
1430	0.00	153	64	0	180.2	0	0	24	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
16 26													16 0.000	0.00	0		0.000	0.00	16
1431	0.02	0	0	0	184.1	0	0	24	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
17 26													17 0.000	0.00	0		0.000	0.00	17
1432	0.03	0	0	0	189.2	0	0	24	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	PAC-15	29JUL82	17	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS	B H P	B H T	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	($\frac{IN}{H_2O}$)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60 °F °API	BSW (%)	# 2 TANK OR METER READING (INS OR BBL)	(%)
1 29													0.563	0.00	0		0.000	0.00	1
1730	3.00	600	62	0	0.0	0	0	12	1.000	350	31	76	0.00	0.00	0	0.00	0.0	0.00	0.00
2 29													0.563	0.00	0		0.000	0.00	2
1740	3.17	597	62	0	0.0	0	0	12	1.000	347	30	76	0.00	0.00	0	0.00	0.0	0.00	0.00
3 29	END THIRD FLOW RATE.												0.563	0.00	0		0.000	0.00	3
1750	3.33	597	62	0	0.0	0	0	12	1.000	347	30	76	0.00	0.00	0	0.00	0.0	0.00	0.00
4 29	BEGIN SHUT-IN.												0.000	0.00	0		0.000	0.00	4
1750	0.00	597	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
5 29													0.000	0.00	0		0.000	0.00	5
1752	0.03	612	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
6 29													0.000	0.00	0		0.000	0.00	6
1754	0.07	618	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
7 29													0.000	0.00	0		0.000	0.00	7
1756	0.10	626	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
8 29													0.000	0.00	0		0.000	0.00	8
1800	0.17	657	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
9 29													0.000	0.00	0		0.000	0.00	9
1810	0.33	692	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
10 29													0.000	0.00	0		0.000	0.00	10
1820	0.50	704	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
11 29													0.000	0.00	0		0.000	0.00	11
1840	0.83	713	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
12 29													0.000	0.00	0		0.000	0.00	12
1900	1.17	719	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
13 29													0.000	0.00	0		0.000	0.00	13
2000	2.17	729	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
14 29													0.000	0.00	0		0.000	0.00	14
2100	3.17	735	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
15 29													0.000	0.00	0		0.000	0.00	15
2200	4.17	741	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
16 29													0.000	0.00	0		0.000	0.00	16
2300	5.17	745	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
17 30													0.000	0.00	0		0.000	0.00	17
0000	6.17	749	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	FAC-15	30JUL82	18	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS	B H P	B H T	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_t	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	(IN H_2O)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS OR BBL)	(%)
1 30													0.000	0.00	0		0.000	0.00	1
0200	8.17	754	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
2 30													0.000	0.00	0		0.000	0.00	2
0400	10.17	758	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
3 30	END SHUT-IN.												0.000	0.00	0		0.000	0.00	3
0630	12.67	762	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
4 30	BEGIN FOURTH FLOW RATE.												0.000	0.00	0		0.000	0.00	4
0630	0.00	762	54	0	0.0	0	0	16	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
5 30													0.000	0.00	0		0.000	0.00	5
0632	0.03	740	54	0	0.0	0	0	16	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
6 30													0.000	0.00	0		0.000	0.00	6
0634	0.07	719	54	0	0.0	0	0	16	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
7 30													0.000	0.00	0		0.000	0.00	7
0636	0.10	680	54	0	0.0	0	0	16	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
8 30													0.563	0.00	0		0.000	0.00	8
0640	0.17	647	53	0	0.0	0	0	16	1.375	183	56	52	0.00	0.00	0	0.00	0.0	0.00	0.00
9 30													0.563	0.00	0		0.000	0.00	9
0650	0.33	589	52	0	0.0	0	0	16	1.375	179	50	51	0.00	0.00	0	0.00	0.0	0.00	0.00
10 30													0.563	0.00	0		0.000	0.00	10
0700	0.50	557	52	0	0.0	0	0	16	1.375	168	44	52	0.00	0.00	0	0.00	0.0	0.00	0.00
11 30													0.563	0.00	0		0.000	0.00	11
0710	0.67	535	52	0	0.0	0	0	16	1.375	173	40	52	0.00	0.00	0	0.00	0.0	0.00	0.00
12 30													0.563	0.00	0		0.000	0.00	12
0720	0.83	519	53	0	0.0	0	0	16	1.375	165	38	52	0.00	0.00	0	0.00	0.0	0.00	0.00
13 30													0.563	0.00	0		0.000	0.00	13
0730	1.00	505	54	0	0.0	0	0	16	1.375	163	37	52	0.00	0.00	0	0.00	0.0	0.00	0.00
14 30													0.563	0.00	0		0.000	0.00	14
0740	1.17	500	54	0	0.0	0	0	16	1.375	164	36	53	0.00	0.00	0	0.00	0.0	0.00	0.00
15 30													0.563	0.00	0		0.000	0.00	15
0750	1.33	490	55	0	0.0	0	0	16	1.375	164	35	53	0.00	0.00	0	0.00	0.0	0.00	0.00
16 30													0.563	0.00	0		0.000	0.00	16
0800	1.50	485	55	0	0.0	0	0	16	1.375	163	35	53	0.00	0.00	0	0.00	0.0	0.00	0.00
17 30													0.563	0.00	0		0.000	0.00	17
0810	1.67	482	55	0	0.0	0	0	16	1.375	162	34	53	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO., YR.)	PAGE	OF
	STATE 18-1A	PAC-15	30JUL82	19	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS	B H P	B H T	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH IN)	(64TH IN)	(INS)	(PSIG)	(IN_{H_2O})	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS. OR BBL)	(%)
1 30 0820	1.83	477	54	0	0.0	0	0	16	1.375	160	34	54	1 0.563 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	1 0.00
2 30 0830	2.00	472	54	0	0.0	0	0	16	1.375	157	33	54	2 0.563 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	2 0.00
3 30 0840	2.17	468	53	0	0.0	0	0	16	1.375	155	33	55	3 0.563 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	3 0.00
4 30 0850	END OF FOURTH FLOW RATE. 2.33	465	53	0	0.0	0	0	16	1.375	153	33	55	4 0.563 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	4 0.00
5 30 0850	BEGIN SHUT-IN. 0.00	465	0	0	0.0	0	0	0	0.000	0	0	0	5 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	5 0.00
6 30 0852	0.03	485	0	0	0.0	0	0	0	0.000	0	0	0	6 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	6 0.00
7 30 0854	0.07	502	0	0	0.0	0	0	0	0.000	0	0	0	7 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	7 0.00
8 30 0856	0.10	530	0	0	0.0	0	0	0	0.000	0	0	0	8 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	8 0.00
9 30 0900	0.17	575	0	0	0.0	0	0	0	0.000	0	0	0	9 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	9 0.00
10 30 0910	0.33	643	0	0	0.0	0	0	0	0.000	0	0	0	10 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	10 0.00
11 30 0920	0.50	677	0	0	0.0	0	0	0	0.000	0	0	0	11 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	11 0.00
12 30 0930	0.67	689	0	0	0.0	0	0	0	0.000	0	0	0	12 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	12 0.00
13 30 0940	0.83	697	0	0	0.0	0	0	0	0.000	0	0	0	13 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	13 0.00
14 30 1000	1.17	705	0	0	0.0	0	0	0	0.000	0	0	0	14 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	14 0.00
15 30 1100	2.17	719	0	0	0.0	0	0	0	0.000	0	0	0	15 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	15 0.00
16 30 1200	3.17	727	0	0	0.0	0	0	0	0.000	0	0	0	16 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	16 0.00
17 30 1300	4.17	733	0	0	0.0	0	0	0	0.000	0	0	0	17 0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	17 0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO., YR.)	PAGE	OF
	STATE 18-1A	FAC-15	30JUL82	20	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS	TEMP.	CASING PRESS	B H P	B H T	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	W_f	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	($\frac{IN}{H_2O}$)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60°F °API	BSW (%)	# 2 TANK OR METER READING (INS. OR BBL)	(%)
30												1	0.000	0.00	0		0.000	0.00	1
1400	5.17	739	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												2	0.000	0.00	0		0.000	0.00	2
1500	6.17	742	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												3	0.000	0.00	0		0.000	0.00	3
1700	8.17	749	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												4	0.000	0.00	0		0.000	0.00	4
1900	10.17	755	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30	END SHUT-IN.											5	0.000	0.00	0		0.000	0.00	5
2130	12.67	760	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30	BEGIN FIFTH FLOW RATE.											6	0.000	0.00	0		0.000	0.00	6
2130	0.00	760	59	0	0.0	0	0	8	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												7	0.000	0.00	0		0.000	0.00	7
2132	0.03	750	59	0	0.0	0	0	8	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												8	0.000	0.00	0		0.000	0.00	8
2134	0.07	745	59	0	0.0	0	0	8	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												9	0.000	0.00	0		0.000	0.00	9
2136	0.10	742	59	0	0.0	0	0	8	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00
30												10	0.563	0.00	0		0.000	0.00	10
2140	0.17	737	57	0	0.0	0	0	8	0.625	208	96	62	0.00	0.00	0	0.00	0.0	0.00	0.00
11 30												11	0.563	0.00	0		0.000	0.00	11
2150	0.33	729	56	0	0.0	0	0	8	0.625	222	87	62	0.00	0.00	0	0.00	0.0	0.00	0.00
12 30												12	0.563	0.00	0		0.000	0.00	12
2200	0.50	725	55	0	0.0	0	0	8	0.625	222	87	61	0.00	0.00	0	0.00	0.0	0.00	0.00
13 30												13	0.563	0.00	0		0.000	0.00	13
2210	0.67	722	55	0	0.0	0	0	8	0.625	221	87	60	0.00	0.00	0	0.00	0.0	0.00	0.00
14 30												14	0.563	0.00	0		0.000	0.00	14
2220	0.83	719	54	0	0.0	0	0	8	0.625	220	87	60	0.00	0.00	0	0.00	0.0	0.00	0.00
15 30												15	0.563	0.00	0		0.000	0.00	15
2230	1.00	717	54	0	0.0	0	0	8	0.625	220	86	60	0.00	0.00	0	0.00	0.0	0.00	0.00
16 30												16	0.563	0.00	0		0.000	0.00	16
2240	1.17	715	54	0	0.0	0	0	8	0.625	220	86	60	0.00	0.00	0	0.00	0.0	0.00	0.00
17 30												17	0.563	0.00	0		0.000	0.00	17
2250	1.33	714	54	0	0.0	0	0	8	0.625	220	86	59	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 9051-1-A

TEST NO	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY MO YR)	PAGE	OF
	STATE 18-1A	PAC-15	30JUL82	21	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF RANGE (INS H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY	FLOW OR SHUT-IN DURATION	TUBING PRESS.	TEMP.	CASING PRESS.	B H P	B H T	MAN CHOKE	HEATER CHOKE	ORIFICE SIZE	STATIC PRESS	DIFF. PRESS	TEMP	GAS GRAVITY (AIR = 1)	# 1 TANK OR METER READING	# 1 OIL TEMP	OIL GRAVITY	Wt	# 1 TANK OR METER READING	SALINITY
24 HOUR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(PSIG)	(°F)	(64TH) IN)	(64TH) IN)	(INS)	(PSIG)	(IN H_2O)	(°F)	% H_2S	# 2 TANK OR METER READING (INS OR BBL	# 2 OIL TEMP (°F)	@ 60 °F °API	BSW (%)	# 2 TANK OR METER READING (INS. OR BBL)	(%)
1 30													0.563	0.00	0		0.000	0.00	
2300	1.50	713	54	0	0.0	0	0	8	0.625	220	86	59	0.00	0.00	0	0.00	0.0	0.00	0.00
2 30													0.563	0.00	0		0.000	0.00	
2310	1.67	712	54	0	0.0	0	0	8	0.625	220	86	59	0.00	0.00	0	0.00	0.0	0.00	0.00
3 30													0.563	0.00	0		0.000	0.00	
2320	1.83	710	54	0	0.0	0	0	8	0.625	220	86	59	0.00	0.00	0	0.00	0.0	0.00	0.00
4 30													0.563	0.00	0		0.000	0.00	
2330	2.00	707	54	0	0.0	0	0	8	0.625	220	85	58	0.00	0.00	0	0.00	0.0	0.00	0.00
5 30													0.563	0.00	0		0.000	0.00	
2340	2.17	707	54	0	0.0	0	0	8	0.625	220	85	58	0.00	0.00	0	0.00	0.0	0.00	0.00
6 30													0.563	0.00	0		0.000	0.00	
2350	2.33	706	54	0	0.0	0	0	8	0.625	218	85	58	0.00	0.00	0	0.00	0.0	0.00	0.00
7 31													0.563	0.00	0		0.000	0.00	
0000	2.50	705	54	0	0.0	0	0	8	0.625	218	85	57	0.00	0.00	0	0.00	0.0	0.00	0.00
8 31													0.563	0.00	0		0.000	0.00	
0010	2.67	703	54	0	0.0	0	0	8	0.625	218	84	57	0.00	0.00	0	0.00	0.0	0.00	0.00
9 31													0.563	0.00	0		0.000	0.00	
0020	2.83	702	54	0	0.0	0	0	8	0.625	218	84	56	0.00	0.00	0	0.00	0.0	0.00	0.00
10 31													0.563	0.00	0		0.000	0.00	
0030	3.00	701	54	0	0.0	0	0	8	0.625	223	82	56	0.00	0.00	0	0.00	0.0	0.00	0.00
11 31													0.563	0.00	0		0.000	0.00	
0040	3.17	700	54	0	0.0	0	0	8	0.625	223	82	55	0.00	0.00	0	0.00	0.0	0.00	0.00
12 31													0.563	0.00	0		0.000	0.00	
0050	3.33	700	54	0	0.0	0	0	8	0.625	225	81	55	0.00	0.00	0	0.00	0.0	0.00	0.00
13 31													0.563	0.00	0		0.000	0.00	
0100	3.50	700	54	0	0.0	0	0	8	0.625	228	80	54	0.00	0.00	0	0.00	0.0	0.00	0.00
14 31													0.563	0.00	0		0.000	0.00	
0110	3.67	700	54	0	0.0	0	0	8	0.625	228	79	54	0.00	0.00	0	0.00	0.0	0.00	0.00
15 31													0.563	0.00	0		0.000	0.00	
0120	3.83	700	54	0	0.0	0	0	8	0.625	228	78	53	0.00	0.00	0	0.00	0.0	0.00	0.00
16 31	END FIFTH FLOW RATE.												0.563	0.00	0		0.000	0.00	
0130	4.00	700	53	0	0.0	0	0	8	0.625	228	78	52	0.00	0.00	0	0.00	0.0	0.00	0.00
17 31	BEGIN SHUT-IN.												0.000	0.00	0		0.000	0.00	
0130	0.00	700	0	0	0.0	0	0	0	0.000	0	0	0	0.00	0.00	0	0.00	0.0	0.00	0.00

FIELD READINGS
SINGLE STAGE UNIT
OEC - 905-1-A

TEST NO.	WELL NAME OR NUMBER	TEST UNIT DESCRIPTION	DATE (DAY, MO., YR.)	PAGE	OF
	STATE 18-1A	FAC-15	31JUL82	22	22

CUSTOMER	FIELD	FORMATION	OIL METER SIZE	METER RANGE (BBLS)
MOSBACHER PRODUCTION COMPANY	WILDCAT	MANCOS SHALE	0.000	

INTERVAL TESTED	BHP SURVEY DEPTH	GAS PRODUCED TO	GAS METER RUN SIZE	DIFF. RANGE (INS. H_2O)	STATIC PRESSURE TAKEN
2752-2836 (FT.)	0.0 (FT.)	☐ PIPELINE ☒ FLARE	4.026 (INS)	0-100	☐ UPSTREAM ☒ DOWNSTREAM

TIME		WELLHEAD DATA			DOWNHOLE DATA		FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING	
DAY / 24 HOUR CLOCK	FLOW OR SHUT-IN DURATION (HOURS)	TUBING PRESS. (PSIG)	TEMP. (°F)	CASING PRESS. (PSIG)	B H P (PSIG)	B H T (°F)	MAN. CHOKE (64TH) IN)	HEATER CHOKE (64TH) IN)	ORIFICE SIZE (INS)	STATIC PRESS. (PSIG)	DIFF. PRESS. (IN_{H_2O})	TEMP. (°F)	GAS GRAVITY (AIR = 1) % H_2S	# 1 TANK OR METER READING # 2 TANK OR METER READING (INS OR BBL)	# 1 OIL TEMP # 2 OIL TEMP (°F)	OIL GRAVITY @ 60°F °API	W_f BSW (%)	# 1 TANK OR METER READING # 2 TANK OR METER READING (INS. OR BBL)	SALINITY (%)
1 31 / 0132	0.03	707	0	0	0.0	0	0	0	0.000	0	0	1 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	1 0.00
2 31 / 0134	0.07	714	0	0	0.0	0	0	0	0.000	0	0	2 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	2 0.00
3 31 / 0136	0.10	718	0	0	0.0	0	0	0	0.000	0	0	3 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	3 0.00
4 31 / 0140	0.17	725	0	0	0.0	0	0	0	0.000	0	0	4 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	4 0.00
5 31 / 0150	0.33	729	0	0	0.0	0	0	0	0.000	0	0	5 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	5 0.00
6 31 / 0200	0.50	732	0	0	0.0	0	0	0	0.000	0	0	6 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	6 0.00
7 31 / 0300	1.50	740	0	0	0.0	0	0	0	0.000	0	0	7 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	7 0.00
8 31 / 0400	2.50	745	0	0	0.0	0	0	0	0.000	0	0	8 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	8 0.00
9 31 / 0500	3.50	749	0	0	0.0	0	0	0	0.000	0	0	9 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	9 0.00
10 31 / 0600	4.50	752	0	0	0.0	0	0	0	0.000	0	0	10 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	10 0.00
11 31 / 0700	5.50	755	0	0	0.0	0	0	0	0.000	0	0	11 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	11 0.00
12 31 / 0800	6.50	757	0	0	0.0	0	0	0	0.000	0	0	12 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	12 0.00
13 31 / 0900	END OF DATA. 7.50	760	0	0	0.0	0	0	0	0.000	0	0	13 0	0.000 / 0.00	0.00 / 0.00	0 / 0	0.00	0.000 / 0.0	0.00 / 0.00	13 0.00
14												14							14
15												15							15
16												16							16
17												17							17

Mosbacher Production Co.

1300 Main Street, Suite 2100

Houston, Texas 77002

Telephone
713 651-0100

August 13, 1982

State of Utah
Department of Natural Resources
Division of Oil & Gas
1588 W. North Temple
Salt Lake City, Utah 84116

RE: State #18-1A Well
Gordon Creek Field
Carbon County, Utah

Gentlemen:

Mosbacher Production Co. hereby request that the DIL-SFL-GR; FDC-GR logs sent to your Office on August 2, 1982, for the above referenced well be kept [redacted] for a period of not less than four (4) months.

Your cooperation in this matter is appreciated, and if further information is needed, please advise.

Sincerely,

MOSBACHER PRODUCTION CO.

Beverly A. Dausin
Engineering Asst.
Drilling & Production

/bad

Form OGCC-3

14

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: ML- 27908-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: State

9. WELL NO.: 18-1A

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Se. 18 14S R8E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Mosbacher Production Co.

3. ADDRESS OF OPERATOR: 1300 Main St., Ste 2100, Houston, TX 77002

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface: 660' FSL & 2235' FWL SESW Sec. 18, T14S, R8E;

At top prod. interval reported below: SESW

At total depth: Same

API#

RECEIVED SEP 03 1982 DIVISION OF OIL, GAS & MINING

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-007-30077	6/8/82	Carbon	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7/2/82	7/18/82	7/24/82	GL 7621'; KB 7634'	7622'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
2859' MD	2859' MD	----	→	0-2859	----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 2761' - 2844' (Open Hole) - Middle Mancos

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: FDC - GR; DIL - FD

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	400'	17-1/2"	500 sx TypeII	0
9-5/8"	36	1910'	12-1/4"	830 sx cl H	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	2761'	2844'	none	none

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	1735'	1735'

31. PERFORATION RECORD (*Interval, size and number*): Open Hole

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
none	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
7/26/82	Flowing	S. I.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/30/82	2hr. 20mins.	16/64	→	---	97	---	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
465	sealed	→	---	1,000	---	---

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Flared

TEST WITNESSED BY: Herb Kane

35. LIST OF ATTACHMENTS: Well Test Report.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Beverly Dawson TITLE Egineering Asst. DATE 8/30/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Middle Mancos	2761'	2844'	Production Test - open hole (2761'-2844') 1,000 MCFGPD. FTP 465 psi, SITP 763 psi 16/64" chk.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Middle Mancos Shale	1600'	1600'
Middle Mancos Sand	2758'	2758'

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Mosbacher Production Co.

3. ADDRESS OF OPERATOR: 1300 Main, Suite 2100 Houston TX 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 2235' FWL SE SW Sec. 18, T14S,R8E

5. LEASE DESIGNATION AND SERIAL NO.: ML-27908-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: State

9. WELL NO.: 18-1A

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18, T14S, R8E

14. PERMIT NO.: 43-007-30077

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7621' GL

12. COUNTY OR PARISH: Carbon

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Change of Operator			XX
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Mosbacher Production Co. has sold State #18-1A and hereby designates Buckhorn Petroleum Co., 1625 Broadway, Suite 1200, Denver, CO. 80217 (303-825-4771) as operator effective March 16, 1984.

RECEIVED
MAR 28 1984
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Lorelei Dawson TITLE Engineering Asst. DATE 3/15/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: HARPER OIL COMPANY, Successor by Merger to Buckhorn Petroleum Company

3. ADDRESS OF OPERATOR: P. O. Box 5928 T.A., Denver, CO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 2235' FWL (SE SW)

5. LEASE DESIGNATION AND SERIAL NO.: STATE ML-27908-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: 18-1A

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 18 T14S R8E

14. PERMIT NO.: 43-007-~~30077~~ 30078

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7621' GL

12. COUNTY OR PARISH: Carbon

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) CHANGE OF OPERATOR			☒
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Effective May 1, 1984, Buckhorn Petroleum Company and Harper Oil Company, wholly-owned subsidiaries of Midcon Corporation, merged to become Harper Oil Company.

Harper Oil Company's headquarters in Denver are 1625 Broadway, Suite 1200, P. O. Box 5928 T.A., Denver, CO 80217.

RECEIVED
JUN 1 1984
DIVISION OF OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED A. Nash, Jr. TITLE Operations Manager DATE May 1, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: HARPER OIL COMPANY

3. ADDRESS OF OPERATOR: P.O. Box 5928, T.A., Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 2235' FWL (SE SW)

5. LEASE DESIGNATION AND SERIAL NO.: STATE ML-27908-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: State

9. WELL NO.: 18-1A

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18-T14S-R8E

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-007-30077	7621' GR	Carbon	Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other) Flare Test			XX	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Harper Oil Company anticipates running a 10 day flare test on the above captioned well during the month of June, 1985. We estimate the rate of flare to be 80 MCFPD.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/12/85
BY: John R. Baza

18. I hereby certify that the foregoing is true and correct

SIGNED John H. Benton TITLE Production Engineer DATE June 4, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUITE 4900 ONE UNITED BANK CENTER/1700 LINCOLN STREET/DENVER, CO 80203-4549

apache CORPORATION

303/831-6500

02176

RECEIVED
FEB 09 1987

DIVISION OF
OIL, GAS & MINING

February 6, 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Dianne R. Nielson, Director

Re: Sundry Notices - Change of Operator
Gordon Creek State #18-1A
Gordon Creek II Unit
Peterson Springs Unit #1
Peterson Springs Unit

Gentlemen:

Submitted in triplicate, please find Sundry Notices indicating a Change of Operator from MidCon Central Exploration Company to Apache Corporation, effective November 1, 1986, regarding the referenced wells.

Upon approval, please furnis us a copy of the approved form.

Thank you for you consideration.

Yours very truly,

Apache Corporation

Sally A. Woodruff
Contract Landman

SAW/es

Enclosures

Form OGCC-1 be

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: ML-27506/ML-27719-A/ML-27908 ML-27908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: 14-08-0001-20296

2. NAME OF OPERATOR: Apache Corporation

8. FARM OR LEASE NAME: GORDON CREEK II UNIT

3. ADDRESS OF OPERATOR: 1700 Lincoln, #4900, Denver, CO 80203-4549

9. WELL NO.: UNIT TRACTS 16, 21, 24, 25

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

Gordon Creek State #18-1A
T14S,R8E,Sec. 18: 660' FSL and 2235'FWL

10. FIELD AND POOL, OR WILDCAT: MANCOS

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: T14S,R8E, PART SEC. 18 & 19

14. PERMIT NO.: 43-007-30078

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH: Carbon and Emery

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other) Change of Operator	XX			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change of Operator from MidCon Central Exploration Company to Apache Corporation effective November 1, 1986.

RECEIVED
FEB 09 1987
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Herrz TITLE Land Manager DATE February 4, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number: ML 27908-A

7. Indian Allottee or Tribe Name: N/A

8. Unit or Communitization Agreement: Gordon Creek

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other (specify)

9. Well Name and Number: State 18-1A

2. Name of Operator: Apache Corporation

10. API Well Number: 43-007-30071

3. Address of Operator: 1700 Lincoln, Ste. 1900, Denver, CO

4. Telephone Number: 303/837-5000

11. Field and Pool, or Wildcat: Gordon Creek

5. Location of Well
Footage : 660' FSL, 2235' FWL
QQ, Sec, T., R., M. : SESW Sec. 18-14S-8E
County : Carbon
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction
☐ Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recompletion	☐ Change of Plans	☐ Shoot or Acidize
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other Annual Status Report	
☐ Other _____			

Approximate Date Work Will Start _____

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above captioned well is currently shut-in due to lack of gas pipeline. Apache Corporation plans to keep this well shut-in until it is economically feasible to connect to a pipeline. The closest pipeline is approximately six miles away.

RECEIVED
FEB 19 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature: Carolyn D. Hepp Title: Sr. Engr. Tech. Date: 2/14/92

(State Use Only)

(8/90)

See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number: ML-27719-B

7. Indian Allottee or Tribe Name:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals.

8. Unit or Communitization Agreement: Gordon Creek II

Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other (specify)

9. Well Name and Number: State 18-1A

Name of Operator: Forcenergy Partners L.P.

10. API Well Number: 43-007-30078

Address of Operator: 2730 SW 3rd, #800, Miami, FL 33129

4. Telephone Number: (305)856-8500

11. Field and Pool, or Wildcat: Gordon Creek

Location of Well

Footage : 660 FSL, 2235 FWL
QQ, Sec, T., R., M. : SE1/4SW1/4, Section 18-T14S, R8E

County : Carbon
State : UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- ☐ Abandonment
- ☐ Casing Repair
- ☐ Change of Plans
- ☐ Conversion to Injection
- ☐ Fracture Treat
- ☐ Multiple Completion
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Recompletion
- ☐ Shoot or Acidize
- ☐ Vent or Flare
- ☐ Water Shut-Off

Approximate Date Work Will Start: _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- ☐ Abandonment *
- ☐ Casing Repair
- ☐ Change of Plans
- ☐ Conversion to Injection
- ☐ Fracture Treat
- ☒ Other Change of Operator
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Shoot or Acidize
- ☐ Vent or Flare
- ☐ Water Shut-Off

Date of Work Completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised, effective September 3, 1992, Forcenergy Partners L.P. is to be considered Operator of the captioned well. Forcenergy Partners L.P. will be responsible for operations conducted under the terms of the subject lease.

RECEIVED
SEP 17 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct
By: Forcenergy Gas Exploration, Inc.-Gen. Partner

Name & Signature: _____ Title: Stig Wennerstrom, President Date: 9/2/92

(State Use Only)

3/90)

See Instructions on Reverse Side

Bureau of Land Management
Branch of Fluid Minerals (U-922)
324 South State Street
Salt Lake City, Utah 84111-2303

COPY

September 18, 1992

Forcenergy Partnership L.P.
c/o Apache Corporation
2000 Post Oak Boulevard, Suite 100
Houston, Texas 77056-4400

RE: Gordon Creek Unit
Carbon County, Utah

Gentlemen:

On September 17, 1992, we received an indenture dated September 2, 1992, whereby Apache Corporation resigned as Unit Operator and Forcenergy Partnership L.P. was designated as Successor Unit Operator for the Gordon Creek Unit, Carbon County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby accepted effective September 18, 1992. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Gordon Creek Unit Agreement.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

(Orig. Sgd.) R. A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Division of Lands and Mineral Operations U-942
File - Gordon Creek Unit (w/enclosure)
MMS - Reference Data Branch
Agr. Sec. Chron
Fluid Chron
U-922:TAThompson:tt:09-18-92

Speed Letter®

To Ed Bonner
State Lands

From Don Staley
Oil, Gas and Mining

Subject Operator Change

— No. 9 & 10 FOLD
MESSAGE

Date 9-23 19 92

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: Apache Corporation (N 5040)

New Operator : Forcenergy Partners L.P. (N 3175)

Well:	API:	Entity:	S-T-R:
STATE 18-1A	43-007-30078	01423	18-14S-8E (ML-27708A)

— No. 9 FOLD
— No. 10 FOLD

CC: Operator File

Signed Don Staley

REPLY

Date 19

— No. 9 & 10 FOLD

Signed

Wilson Jones Company
GRAYLINE FORM 44-812 3-PART
© 1983 • PRINTED IN U.S.A.

RECIPIENT—RETAIN WHITE COPY, RETURN PINK COPY.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

Routing:

1- LCR	7-LCR
2- DTS/TS	
3- VLC ✓	
4- RJF ✓	
5- RWM ✓	
6- ADA ✓	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-3-92)

TO (new operator)	FORCENERGY PARTNERS L.P.	FROM (former operator)	APACHE CORPORATION
(address)	2730 SW 3RD #800	(address)	1700 LINCOLN STE 2000
	MIAMI, FL 33129		DENVER, CO 80203-4520
	STIG WENNERSTROM, PRES.		PAMELA LEIGHTON
	phone (305) 856-8500		phone (303) 837-5438
	account no. N 3175 (EFF 9-18-92)		account no. N 5040

(Caribou)

Well(s) (attach additional page if needed):

Name: STATE 18-1A/MNCS	API: 43-007-30078	Entity: 1423	Sec 18	Twp 14S	Rng 8E	Lease Type: ML-2790
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).

Ltr 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 9-17-92)

Ltr 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #C05594. Delaware Corp. in Good Standing.

Ltr 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

Ltr 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (9-22-92)

Ltr 6. Cardex file has been updated for each well listed above. (9-22-92)

Ltr 7. Well file labels have been updated for each well listed above. (9-22-92)

Ltr 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (9-22-92)

Ltr 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Lec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

N/A 2. A copy of this form has been placed in the new and former operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

YES 2. Copies of documents have been sent to State Lands for changes involving State leases. 9/23/92 to Ed Bonner

FILMING

RWM 1. All attachments to this form have been microfilmed. Date: Sept 23 1992.

FILING

Lec 1. Copies of all attachments to this form have been filed in each well file.

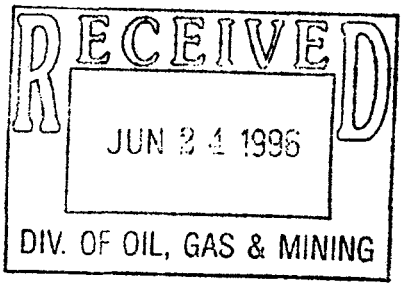
Lec 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

920918 Bfm/S.L. Approved Unit operator "Gordon Creek II" from Apache Corp. to Forcenergy Partners L.P. eff. 9-18-92.

Forcenergy

Gas Exploration Inc.



May 16, 1996

All Operators

Re: Corporate Name Change

Dear Sir or Madame:

Effective May 24, 1996, Forcenergy Gas Exploration, Inc. will change its name to "**Forcenergy Inc**". This is merely a name change and does not entail any change in the operations or administration of the company. Forcenergy Inc will retain all identification numbers, including taxpayer ID, that were held under the prior name.

Please address all correspondence and invoices and make all payments to be received by us after May 23, 1996 to Forcenergy Inc. Please note that the new name does not have a period after Inc nor does it have a comma after Forcenergy.

We would appreciate it if you could change your records as indicated. Thank you for your assistance.

Sincerely,

E. Joseph Grady, Jr.
Vice President
Chief Financial Officer

EJG:jab

cc: Stig Wennerstrom
k:\acct\jack\namechg.doc

HEADQUARTERS
Forcenergy Center
2730 SW 3rd Avenue
Suite 800
Miami, Florida 33129-2237

TELEPHONE
305/856-8500
FAX
305/856-4300

REGIONAL OFFICE
Three Lakeway Center
3838 North Causeway Boulevard
Suite 2300
Metairie, Louisiana 70002

TELEPHONE
504/838-7022
FAX
504/838-7017

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

JUL 3 1996

IN REPLY REFER TO
3100
U-0115615 et al
(UT-932)

NOTICE

Forcenergy Inc.
2730 SW 3rd Avenue, Suite 800
Miami, Florida 33129-2237

: Oil and Gas Leases
: U-0115615 et al
:

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Forcenergy Gas Exploration, Inc. to Forcenergy Inc. on Federal oil and gas leases.

The following oil and gas lease files have been noted as to the name change.

U-0115615	U-49678
U-20544	U-57469
U-47812	UTU-73324
U-48267	

We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 4, 1996 (Secretary of State's approval date).

Due to the name change, the name of the principal on the bond is required to be changed from Forcenergy Gas Exploration, Inc. to Forcenergy Inc. on Bond No. BO5496 (BLM Bond No. 1038). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office.

Christopher J. Merritt

ACTING Group Leader,
Minerals Adjudication Group

cc: Underwriters Indemnity Company
8 Greenway Plaza, Suite 400
Houston, Texas 77046

bc: BLM State Offices
Moab District Office
Vernal Field Office
Teresa Thompson (UT-931)
Irene Anderson (UT-932)
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Lisha Cordova, State of Utah, Division of Oil, Gas and Mining, 1594 West North Temple, Ste. 1210, Salt Lake City, Utah 84114-5801

DOGM SPEED LETTER

To: Ed Bonner
School & Institutional Trust
Lands Administration

From: Don Staley
Division of Oil, Gas & Mining

Subject: Operator Change

MESSAGE **Date** 7/15 19 96

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirments. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Forcenergy Gas Exploration Inc. (N3175)

New Operator: Forcenergy Inc. (N3175)

Well(s):	API:	Entity:	S-T-R:	Lease:
State 18-1A	43-007-30078	01423	18-14S-8E	ML-27908-A

cc: Operator File

Signed Don Staley

REPLY **Date** _____ 19 ____

Signed _____

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

Routing:	
1-LEC	6-LEC
2-GLH	7-KDR
3-DTS/STS	8-SJ
4-VLD	9-FILE
5-RJF	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator XXX Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 5-24-96

TO: (new operator) FORCENERGY INC
(address) 2730 S W 3RD AVE #800
MIAMI FL 33129

Phone: (305)856-8500
Account no. N3175

FROM: (old operator) FORCENERGY GAS EXPLOR INC
(address) 2730 S W 3RD AVE #800
MIAMI FL 33129

Phone: (305)856-8500
Account no. N3175

WELL(S) attach additional page if needed: *GORDON CREEK II UNIT

Name:	STATE 18-1A/MNCS	API:	43-007-30078	Entity:	1423	S	18	T	14S	R	8E	Lease:	ML-27908-A
Name:		API:		Entity:		S		T		R		Lease:	
Name:		API:		Entity:		S		T		R		Lease:	
Name:		API:		Entity:		S		T		R		Lease:	
Name:		API:		Entity:		S		T		R		Lease:	
Name:		API:		Entity:		S		T		R		Lease:	
Name:		API:		Entity:		S		T		R		Lease:	

OPERATOR CHANGE DOCUMENTATION

Lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 6-24-96)

Lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Rec'd 6-24-96)

Lec 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) _____ If yes, show company file number: Co-174484. (Nm. chg. 6-17-96)

N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.

Lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (7-12-96)

Lec 6. **Cardex** file has been updated for each well listed above. (7-12-96)

Lec 7. Well **file labels** have been updated for each well listed above. (7-12-96)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (7-12-96)

Lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

OPERATOR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Lec 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) _____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.

N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (~~FEE WELLS ONLY~~) * Trust Lands / Chg. "Rider" in progress!

Lec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the new and former operator's bond files.

N/A 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

STS 1. Copies of documents have been sent on 7/15/96 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

FILMING

VDR 1. All attachments to this form have been **microfilmed**. Today's date: August 20, 1996

FILING

___ 1. **Copies** of all attachments to this form have been filed in each **well file**.

___ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

960712 BLM/SL Aprv. 7-3-96 eff. 6-4-96.

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Operator Acct. #N3175

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: ML-27908A

6. If Indian, Alottee or Tribe Name:

7. Unit Agreement Name: Gordon Creek II Unit

1. Type of Well: OIL ☐ GAS ☒ OTHER:

8. Well Name and Number: State 18-1A

2. Name of Operator: Forcenergy Inc

9. API Well Number: 43-007-30077

3. Address and Telephone Number: P.O. Box 309, McCook, NE 69001 (308) 345-2480

10. Field and Pool, or Wildcat: Gordon Creek

4. Location of Well

Footages: 660' FSL, 2235' FWL

County: Carbon

QQ, Sec., T., R., M.: SW / SE 18-14S-8E

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon *	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Reperforate
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other SI Well Status Extension	
☐ Other			

Approximate date work will start

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached letter.

APPROVED
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: 3-24-99

13.

Name & Signature: Daniel S. Carroll Title: Production Superintendent Date: 03/22/99

(This space for State use only)

(4\94) (See Instructions on Reverse Side)

Forcenergy Inc

March 23, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, Utah 84114-5801

Dear Mr. Baza:

The Gordon State #18-1A SE SW Section 18 T14S R8E has been shut in since it was completed in 1982. The well will produce economical quantities of gas. The problem is the well does not have enough gas reserves to warrant the pipeline expense. The development of a gas play to the east of the well is getting closer. Therefore, the well should not be plugged. The well would support a pipeline of two miles but not the current five miles.

In June of 1998, the well was tested for the AOHF. This was done by Mr. William H. Bayliff, a registered engineer. I have attached Mr. Bayliff's report. As you can tell by the report, the well has a packer set above the producing zone and there is no communication between the tubing and casing. The well has 9 5/8" cemented from 1910' to surface. The well also has 13 5/8" set at 400' and cemented back to surface. All of these assure the well has mechanical integrity and does not pose a threat to the public health, safety or the environment.

For the above reasons, Forcenergy asks for approval of the current well status. I appreciate the time for your consideration of this.

Sincerely,

Daniel S. Carroll
Production Superintendent

C:\WINWORD\gorden399.doc

AOFP TEST & DELIVERABILITY

Forcenergy Inc.

State # 18-1A
SE/SW Sec. 18 - T14S - R8E
660' FSL & 2235' FWL
Carbon County, Utah
Gordon Creek II Unit

Forcenergy Inc. State # 18-1A

TESTING RESULTS

All tests were performed flowing through a portable production unit with gas flared to a test pit.

SITP = 738 psig (SI since July 19, 1985)
SICP = Zero (packer in the well)

Flow Equation constants:

$$Q = C (Pf^2 - Ps^2)^n$$

θ = 53.14 degrees
n = 0.7496
C = (WH potential, four 4 hr flow points) = 6.4729
C = (Semi-stable, 26 hr flow point) = 5.4300

Wellhead Potential (four, 4 hr flow points) = 744 MCFPD
Semi - stable AOFP (26 hr flow point) = 624 MCFPD

Well deliverability (26 hr test):
472 MCFPD @ 407 psig FTP
This is a 44.8% pressure drawdown
from the shut in value.

William H. Bayliff, P.E.
Certificate # 3989E
June 14, 1998

Forcenergy Inc. State # 18-1A

TESTING CALCULATIONS

n = 1 / Slope

Slope = tan of θ angle

tan = (820 - 38) / (1000 - 100) = (2.9138 - 1.5798) / (3 - 2) = 1.3340

θ = tan = 53.14 degrees

n = 1 / Slope = 1 / 1.3340 = 0.7496

Semi - stable values:

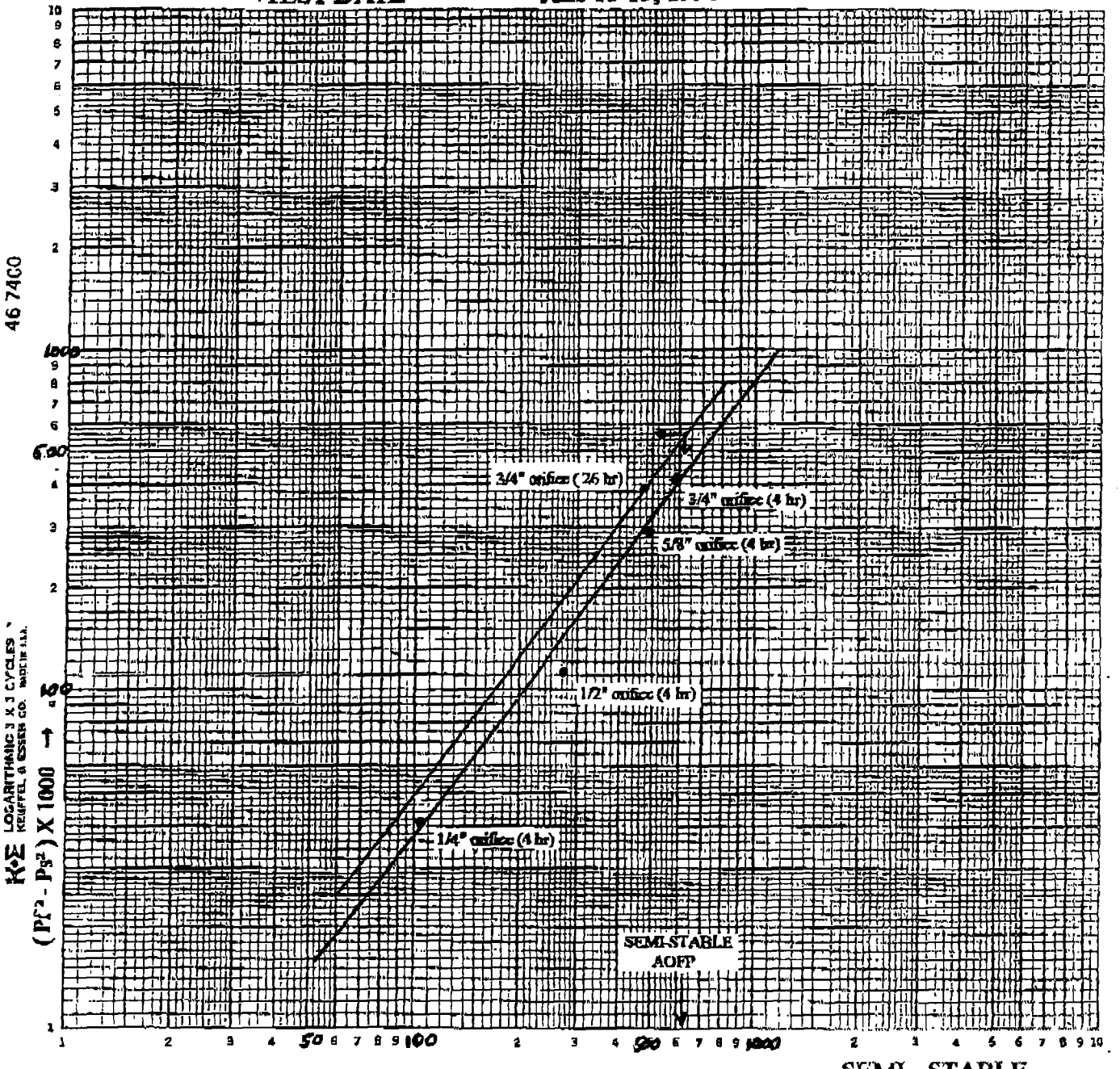
$\log C = \log Q - n \log (Pf^2 - Ps^2)$
$\log C = \log 472 - (0.7496)(\log (561.00 - 174.72))$
$\log C = 2.67394 - 1.93914 = 0.73480$
$C = 5.4300$

$Q = C (Pf^2 - Ps^2)^n$
$Q = (5.4300) (561.00 - 0.12)^{.7496}$
Q = 624 MCFPD semi-stable CAOFP

Flowing tubing pressure and rates, using above calculated values:

FTP (psig)	RATE (mcfpd)
700	110
600	275
500	390
400	477
300	542
200	587
100	614

OPERATOR	Forcenergy Inc.
WELL	State #18-1A
LOCATION	SE/SW Sec. 18 - T14S - R8E Carbon County, Utah
FIELD	Gordon Creek II Unit
PRODUCING ZONE	Mancos Sand (2761' to 2844')
TEST DATE	June 11-13, 1998



SITP = 738 psig
(SI since 1985)

SICP = Zero
(packer in well)

SEMI - STABLE FLOW PARAMETERS

θ = 53.14 degrees
n = 0.7496 .
C = 5.4300
AOFP = 624 MCFPD

BACK-PRESSURE CALCULATION SHEET

TYPE TEST: ☐ INITIAL ☐ ANNUAL ☒ RETEST ☐ SPECIAL TEST DATE: 6/11-13/98

OPERATOR FORCENERGY INC. LEASE STATE WELL NO 18-1A

SEC. 18 TWP 14S RNG. 8E COUNTY CARBON STA. NO. — PIPELINE CONN —

GA SYSTEM — FIELD GORDON CREEK II UNIT RESERVOIR MANCOS SAND

CSG. SIZE 4 1/2" WT. 16.6 TBG. SIZE 2 7/8" WT. 6.5 PERFS: 2761' TO 2844' SLOTTED LINER

TYPE COMPLETION SINGLE PACKER@ 1735 ft. AVG. VERTICAL DEPTH 2803 ft

TYPE LIQUID PRODUCED NONE LIQUID COMPOSITION — API GRAVITY —

GAS GRAVITY (G_g)(G_m) 0.569 CO_2 —% N_2 —% H_2S — P_c — psia T_c — °R

PRODUCING THRU TUBING TYPE TAPS FLANGE (PROVER)(METER) SIZE 3" BAR. PRESS 11.0

METER [illegible] DATA L-10 CHART

RATE NO.	OBSERVED DATA: ORIFICE SIZE IN.	(METER) [illegible] TEMP °F	(METER) [illegible] PRESSURE PSIG	$(P_m)(P_g)$ PSIA	DIFF (H_w)	COMPRESSABILITY FACTOR: $\frac{(P_m)(P_g)}{P_{pr}}$	$\frac{(T_m)(T_g)}{T_{pr}}$	Z	REMARKS (QUALITY OF MEASUREMENT)
1	0.2500	100	711	8.5	9.5				
2	0.5000	100	398	6.4	8.5				
3	0.6250	100	493	7.1	8.7				
4	0.7500	100	349	6.0	8.6				
5	0.7500	95	399	6.4	6.5				

FLOW RATE CALCULATION

RATE NO	COEFF MCF/DAY	$(P_m)(H_w)$ (P_g)	EXTENSION $\sqrt{P_m H_w}$	GRAVITY FACTOR	METER TEMP FACTOR	DEVIATION FACTOR	FLOW RATE MCF/DAY	LENGTH OF FLOW	REMARKS (TYPE OF FLOW)
1	1.2854	80.75		1.3257	0.9636	1.0438	104	4 HRS	DRY GAS FLOW
2	5.0737	54.40		1.3257	0.9636	1.0407	276	4 HRS.	DRY GAS FLOW
3	7.8598	61.77		1.3257	0.9636	1.0312	485	4 HRS.	DRY GAS FLOW
4	11.2662	51.60		1.3257	0.9636	1.0234	581	4 HRS.	DRY GAS FLOW
5	11.3465	41.60		1.3257	0.9680	1.0260	472	26 HRS.	DRY GAS FLOW

WELLHEAD SHUT-IN AND FLOWING DATA

RATE NO.	CASING PRESSURE DATA: PSIG	(P_c) & $(P_w)(P_f)$ PSIA	$\frac{(P_w)(P_f)}{P_c}$	(P_c^2) & $(P_w^2)(P_f^2)$	TUBING PRESSURE DATA: PSIG	(P_t) & $(P_w)(P_f)$ PSIA	$\frac{(P_w)(P_f)}{P_c}$	(P_t^2) & $(P_w^2)(P_f^2)$	WELL-HEAD TEMP °F	REMARKS (QUALITY OF PRESSURES)
SHUT IN	ZERO	(PACKER IN WELL)			738	749	—	561.00		Hours shut in: SINCE 1985
1					710	721	0.963	519.84		
2					658	669	0.893	447.56		
3					505	516	0.689	266.26		
4					380	391	0.522	152.88		
5					407	418	0.558	174.72		

SUMMARY

RATE NO.	WATER PROD. BBLS.	LIQUID PETR. BBLS.	GOR MCF/BBL	$(P_c^2 - P_w^2)$	Q	$(P_c^2 - P_f^2)$
1	NONE	NONE		41.16	104	
2	NONE	NONE		113.44	276	
3	NONE	NONE		294.74	485	
4	NONE	NONE		408.12	581	
5	NONE	NONE		386.28	472	

WH slope (n): 0.7496 ABS slope (n): 0.7496

WH potential: 744 MCF/D after FOUR hr

ABS potential: 624 MCF/D after 26 hr

72 hr. WH potential — MCF/D

Stabl. WH potential — MCF/D

DEL @ 407 P/G after 26 hr: 472 MCF/D

DEL @ 0.8 P_c after 72 hr: — MCF/D

Stabl. DEL @ P_L = — psig: — MCF/D

72 hr to t_p hr stabl factor: —

— hr to 72 hr stabl factor: —

REMARKS: —

TESTED BY: D.C. PRODUCTION SERVICES INC. WITNESSED BY: STEVE OSBORNE

CALCULATED BY: WILLIAM H. BAYLIFF CHECKED BY: —

Forcenergy Inc. State # 18-1A

WELLHEAD ASSEMBLY

Cross-over tee, 5000# WP
Top and bottom: 2 9/16" ID, top with 2 7/8" hammer union, needle valve + guage
Wing outlet: 2 1/16" ID, 3000# WP

Wing Valve, 3000# WP
Barton 2 1/16" ID, flanged
Best positive choke body, flanged

Master Valves, 3000# WP (two)
Barton 2 9/16" ID, flanged
Barton 2 9/16" ID, flanged

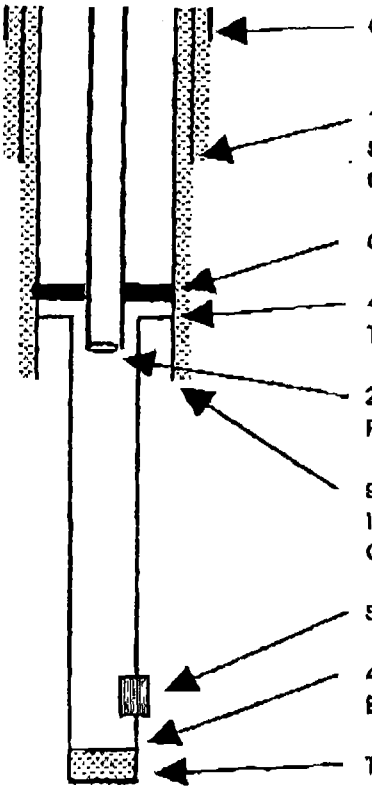
Tubing Head adaptor
2 9/16" X 5000# WP, flanged
7 1/16" X 5000# WP, flanged

Tubing Head
7 1/16" X 5000# WP, flanged
11" X 3000# WP, flanged
Barton 2 1/16" ID X 3000# WP valve, flanged
Barton 2 1/16" ID X 3000# WP valve, flanged

Forcenergy Inc.

Well Bore Schematic (no scale)

Date of Drawing	June 13, 1998
Well Name	State # 18-1A
Location	SE/SW Section 18 - T14S - R8E
Field	Gordon Creek II Unit
County	Carbon
State	Utah
API Number	43-007-30077
Spud Date	July 2, 1982
State Lease No.	ML - 27908A
GL Elevation	7621'
KB Elevation	7634'



Conductor = ?

13 3/8" 48.0# H-40 8rd. ST&C
Surface csg @ 400'
Cemented with 500 sxs Type 2 cement

Otis WB permanent packer @ 1735'

4 1/2" 16.6# K-55 FJ
Top of production liner @ 1754'

2 7/8" 6.5# J-55 8rd EUE
Production tbg @ 1758'

9 5/8" 36.0# K-55 8rd. ST&C
Intermediate csg @ 1910'
Cemented with 285 sxs Class H + 545 sxs down annulus

Slotted liner from 2761' - 2844'

4 1/2" 16.6# K-55 FJ
Bottom of production liner @ 2855'

TD & PBTD @ 2859'

7/24/82	Completion date; well never produced
7/25/82	SIBHP=826 psig; SITP=767 psig; CAOFP=2300 MCFPD
7/30/82	IP=1000 MCFPD; 16/64" ck; 465 psig FTP; 2 hr. 2 min test.
7/12/85	Gas Analysis; SG=0.569; BTU=1011
7/19/85	8 day test; Q=505 MCFPD w/500 psig sep. pressure.
6/13/98	SITP = 738 psig
	Semi - stable CAOFP = 624 MCFPD
	26 hr test 472 MCFPD @ 407 psig

FORCENERGY INC
#6 Spoon Drive P.O. Box 309
McCook, NE 69001
(308) 345-2480
(308) 345-1381 FAX

FACSIMILE TRANSMITTAL

Please deliver the following page(s) to:

NAME: John Baza

COMPANY: "original's in mail"

TELECOPY #:

FROM: Daniel S Carroll

TOTAL NUMBER OF PAGES (INCLUDING THIS PAGE): 10

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If you do not receive all the pages or have problems with receiving this transmittal, please call:

(308) 345-2480 and ask for: Linda

AOFP TEST & DELIVERABILITY

Forcenergy Inc.

State # 18-1A
SE/SW Sec. 18 - T14S - R8E
660' FSL & 2235' FWL
Carbon County, Utah
Gordon Creek II Unit

Forcenergy Inc. State # 18-1A

TESTING RESULTS

All tests were performed flowing through a portable production unit with gas flared to a test pit.

SITP = 738 psig (SI since July 19, 1985)
SICP = Zero (packer in the well)

Flow Equation constants:

$$Q = C (Pf^2 - Ps^2)^n$$

θ = 53.14 degrees
n = 0.7496
C = (WH potential, four 4 hr flow points) = 6.4729
C = (Semi-stable, 26 hr flow point) = 5.4300

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Semi - stable AOFP (26 hr flow point) = 624 MCFPD

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472 MCFPD @ 407 psig FTP
This is a 44.8% pressure drawdown
from the shut in value.

William H. Bayliff, P.E.
Certificate # 3989E
June 14, 1998

Forcenergy Inc. State # 18-1A

TESTING CALCULATIONS

n = 1 / Slope

Slope = tan of θ angle

tan = (820 - 38) / (1000 - 100) = (2.9138 - 1.5798) / (3 - 2) = 1.3340

θ = tan = 53.14 degrees

n = 1 / Slope = 1 / 1.3340 = 0.7496

Semi - stable values:

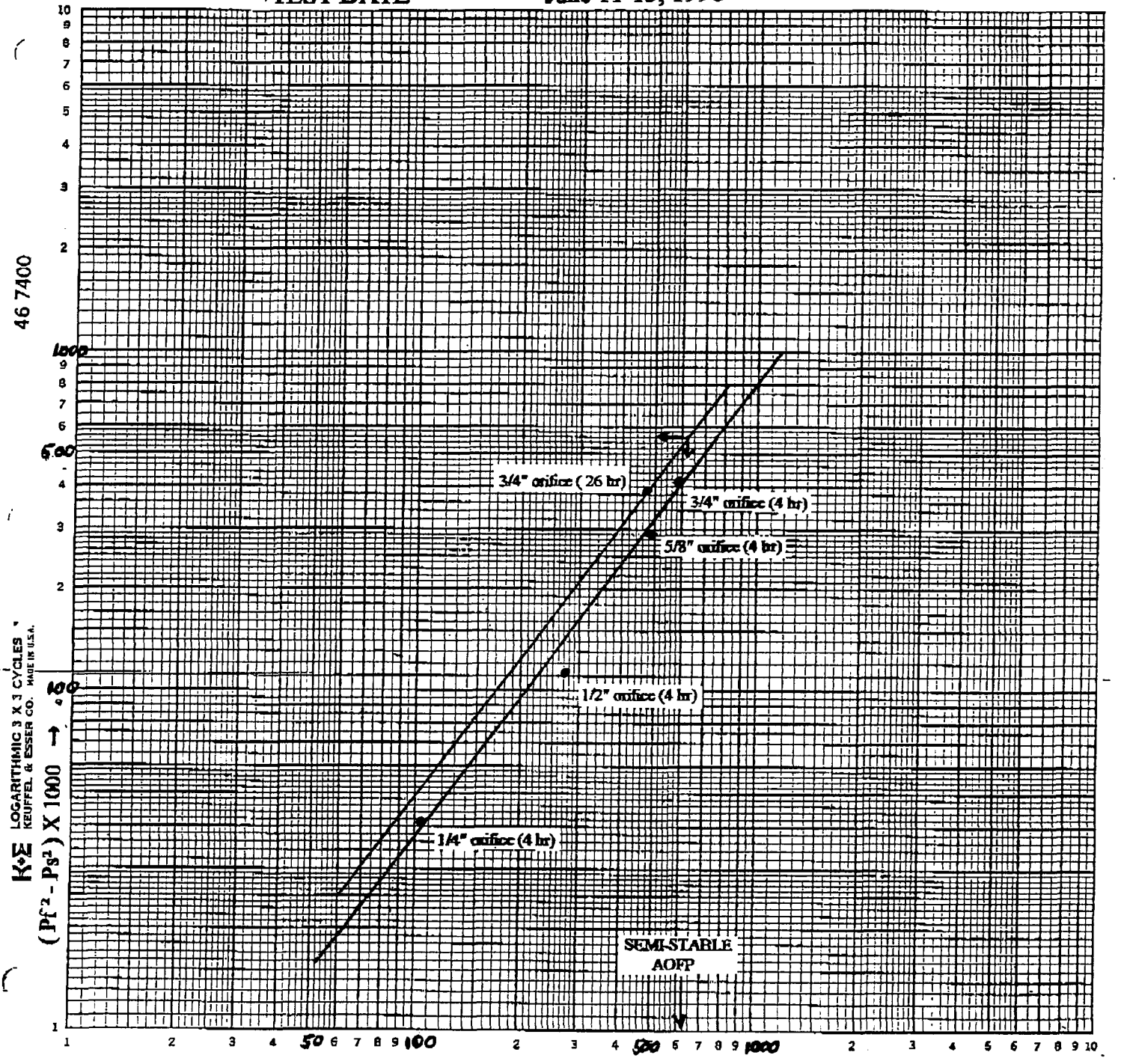
$\log C = \log Q - n \log (Pf^2 - Ps^2)$
$\log C = \log 472 - (0.7496)(\log (561.00 - 174.72))$
$\log C = 2.67394 - 1.93914 = 0.73480$
$C = 5.4300$

$Q = C (Pf^2 - Ps^2)^n$
$Q = (5.4300) (561.00 - 0.12)^{.7496}$
Q = 624 MCFPD semi-stable CAOFP

Flowing tubing pressure and rates, using above calculated values:

FTP (psig)	RATE (mcfpd)
700	110
600	275
500	390
400	477
300	542
200	587
100	614

OPERATOR	Forcenergy Inc.
WELL	State #18-1A
LOCATION	SE/SW Sec. 18 - T14S - R8E
	Carbon County, Utah
FIELD	Gordon Creek II Unit
PRODUCING ZONE	Mancos Sand (2761' to 2844')
TEST DATE	June 11-13, 1998



SITP = 738 psig
(SI since 1985)

SICP = Zero
(packer in well)

SEMI - STABLE
FLOW PARAMETERS

θ = 53.14 degrees
n = 0.7496 .
C = 5.4300
AOFP = 624 MCFPD

BACK-PRESSURE CALCULATION SHEET

TYPE TEST: ☐ INITIAL ☐ ANNUAL ☒ RETEST ☐ SPECIAL TEST DATE: 6/11-13/98

OPERATOR FORCENERGY INC. LEASE STATE WELL NO. 18-1A
SEC. 18 TWP. 14S RNG. 8E COUNTY CARBON STA. NO. — PIPELINE CONN. —
GA SYSTEM — FIELD GORDON CREEK II UNIT RESERVOIR MANCOS SAND

CSG. SIZE 4 1/2" WT. 16.6 TBG. SIZE 2 7/8" WT. 6.5 PERFS: 2761' TO 2844' SLOTTED LINER
TYPE COMPLETION SINGLE PACKER @ 1735 ft. AVG. VERTICAL DEPTH 2803 ft

TYPE LIQUID PRODUCED NONE LIQUID COMPOSITION — API GRAVITY —
GAS GRAVITY (G_g)(G_m) 0.569 CO_2 — % N_2 — % H_2S — P_{cr} — psia T_{cr} — °R
PRODUCING THRU TUBING TYPE TAPS FLANGE (~~PROVER~~)(METER) SIZE 3" BAR. PRESS 11.0

METER ~~PROVER~~ DATA L-10 CHART

RATE NO.	OBSERVED DATA: ORIFICE SIZE IN.	(METER) (~~PROVER~~) TEMP °F	(METER) (~~PROVER~~) PRESSURE PSIG	$(P_m)(P_g)$ PSIA	DIFF (H_w)	COMPRESSABILITY FACTOR: $\frac{(P_m X P_p)}{P_{cr}}$	$\frac{(T_m X T_p)}{T_{cr}}$	Z	REMARKS (QUALITY OF MEASUREMENT)
1	0.2500	100	711	8.5	9.5				
2	0.5000	100	398	6.4	8.5				
3	0.6250	100	493	7.1	8.7				
4	0.7500	100	349	6.0	8.6				
5	0.7500	95	399	6.4	6.5				

FLOW RATE CALCULATION

RATE NO	COEFF MCF/DAY	$(P_m H_w)$ (P_g)	EXTENSION $\sqrt{P_m H_w}$	GRAVITY FACTOR	METER TEMP FACTOR	DEVIATION FACTOR	FLOW RATE MCF/DAY	LENGTH OF FLOW	REMARKS (TYPE OF FLOW)
1	1.2854	80.75		1.3257	0.9636	1.0438	104	4 HRS	DRY GAS FLOW
2	5.0737	54.40		1.3257	0.9636	1.0407	276	4 HRS.	DRY GAS FLOW
3	7.8598	61.77		1.3257	0.9636	1.0312	485	4 HRS.	DRY GAS FLOW
4	11.2662	51.60		1.3257	0.9636	1.0234	581	4 HRS.	DRY GAS FLOW
5	11.3465	41.60		1.3257	0.9680	1.0260	472	26 HRS.	DRY GAS FLOW

WELLHEAD SHUT-IN AND FLOWING DATA

RATE NO.	CASING PRESSURE DATA: PSIG	(P_c) & $(P_w)(P_t)$ PSIA	$\frac{(P_w X P_t)}{P_c}$	(P_c^2) & $(P_w^2)(P_t^2)$	TUBING PRESSURE DATA: PSIG	(P_c) & $(P_w)(P_t)$ PSIA	$\frac{(P_w)(P_t)}{P_c}$	(P_c^2) & $(P_w^2)(P_t^2)$	WELL-HEAD TEMP °F	REMARKS (QUALITY OF PRESSURES)
SHUT IN	ZERO	(PACKER IN WELL)			738	749	—	561.00		Hours shut in: SINCE 1985
1					710	721	0.963	519.84		
2					658	669	0.893	447.56		
3					505	516	0.689	266.26		
4					380	391	0.522	152.88		
5					407	418	0.558	174.72		

SUMMARY

RATE NO.	WATER PROD. BBLS.	LIQUID PETR. BBLS.	GOR MCF/BBL	$(P_c^2 - P_w^2)$	Q	$(P_c^2 - P_t^2)$
1	NONE	NONE		41.16	104	
2	NONE	NONE		113.44	276	
3	NONE	NONE		294.74	485	
4	NONE	NONE		408.12	581	
5	NONE	NONE		386.28	472	

WH slope (n): 0.7496 ABS slope (n): 0.7496
WH potential: 744 MCF/D after FOUR hr
ABS potential: 624 MCF/D after 26 hr.
72 hr. WH potential — MCF/D
Stabl. WH potential — MCF/D
DEL @407 PSIG after 26 hr: 472 MCF/D
DEL @0.8 P_c after 72 hr: — MCF/D
Stabl. DEL @P_t = — psig: — MCF/D
72 hr to t_p hr stabl factor: —
— hr to 72 hr stabl factor: —

REMARKS: —

TESTED BY: D.C. PRODUCTION SERVICES INC. WITNESSED BY: STEVE OSBORNE
CALCULATED BY: WILLIAM H. BAYLIFF CHECKED BY: —

Forcenergy Inc. State # 18-1A

WELLHEAD ASSEMBLY

Cross-over tee, 5000# WP
Top and bottom: 2 9/16" ID, top with 2 7/8" hammer union, needle valve + guage
Wing outlet: 2 1/16" ID, 3000# WP

Wing Valve, 3000# WP
Barton 2 1/16" ID, flanged
Best positive choke body, flanged

Master Valves, 3000# WP (two)
Barton 2 9/16" ID, flanged
Barton 2 9/16" ID, flanged

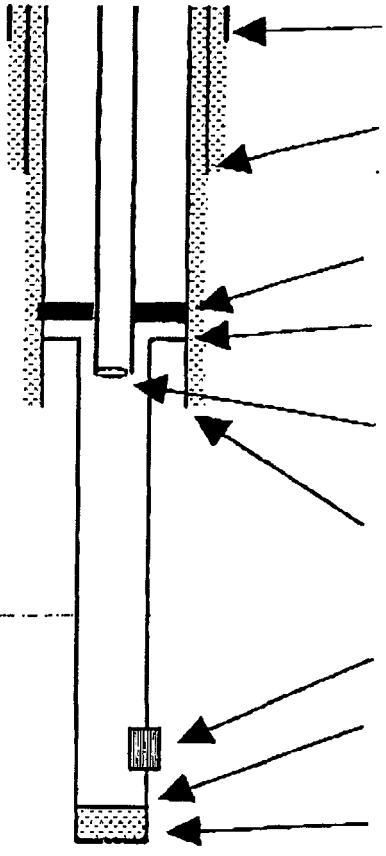
Tubing Head adaptor
2 9/16" X 5000# WP, flanged
7 1/16" X 5000# WP, flanged

Tubing Head
7 1/16" X 5000# WP, flanged
11" X 3000# WP, flanged
Barton 2 1/16" ID X 3000# WP valve, flanged
Barton 2 1/16" ID X 3000# WP valve, flanged

Forcenergy Inc.

Well Bore Schematic (no scale)

Date of Drawing	**June 13, 1998**
Well Name	**State # 18-1A**
Location	**SE/SW Section 18 - T14S - R8E**
Field	**Gordon Creek II Unit**
County	**Carbon**
State	**Utah**
API Number	**43-007-30077**
Spud Date	**July 2, 1982**
State Lease No.	**ML - 27908A**
GL Elevation	**7621'**
KB Elevation	**7634'**



Conductor = ?

13 3/8" 48.0# H-40 8rd. ST&C
Surface csg @ 400'
Cemented with 500 sxs Type 2 cement

Otis WB permanent packer @ 1735'

4 1/2" 16.6# K-55 FJ
Top of production liner @ 1754'

2 7/8" 6.5# J-55 8rd EUE
Production tbg @ 1758'

9 5/8" 36.0# K-55 8rd. ST&C
Intermediate csg @ 1910'
Cemented with 285 sxs Class H + 545 sxs down annulus

Slotted liner from 2761' - 2844'

4 1/2" 16.6# K-55 FJ
Bottom of production liner @ 2855'

TD & PBTD @ 2859'

7/24/82	Completion date; well never produced
7/25/82	SIBHP=826 psig; SITP=767 psig; CAOFP=2300 MCFPD
7/30/82	IP=1000 MCFPD; 16/64" ck; 465 psig FTP; 2 hr. 2 min test.
7/12/85	Gas Analysis; SG=0.569; BTU=1011
7/19/85	9 day test; Q=505 MCFPD w/500 psig sep. pressure.
6/13/98	SITP = 738 psig
	Semi - stable CAOFP = 624 MCFPD
	26 hr test: 472 MCFPD @ 407 psig

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

Operator Acct. #N3175

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: ML-27908A

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name: Gordon Creek II Unit

1. Type of Well: OIL ☐ GAS ☒ OTHER:

8. Well Name and Number: State 18-1A

2. Name of Operator: Forcenergy Inc

9. API Well Number: 43-007-30078

3. Address and Telephone Number: P.O. Box 309, McCook, NE 69001 (308) 345-2480

10. Field and Pool, or Wildcat: Gordon Creek

4. Location of Well

Footages: 660' FSL, 2235' FWL

County: Carbon

QQ, Sec., T., R., M.: SW / SE 18-14S-8E

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon *	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Reperforate
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other SI Well Status Extension	
☐ Other			

Approximate date work will start: _____

Date of work completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached letter.

13.

Name & Signature: Daniel S. Carroll Title: Production Superintendent Date: 03/22/99

(This space for State use only)

APPROVED

The Utah Division of Oil, Gas and Mining

Robert J. Krueger, PE, Petroleum Engineer

Date: 3-29-99

(See Instructions on Reverse Side)

(4\94)

RECEIVED

MAR 25 1999

DIV. OF OIL, GAS & MINING

Forcenergy Inc

March 23, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, Utah 84114-5801

Dear Mr. Baza:

The Gordon State #18-1A SE SW Section 18 T14S R8E has been shut in since it was completed in 1982. The well will produce economical quantities of gas. The problem is the well does not have enough gas reserves to warrant the pipeline expense. The development of a gas play to the east of the well is getting closer. Therefore, the well should not be plugged. The well would support a pipeline of two miles but not the current five miles.

In June of 1998, the well was tested for the AOHF. This was done by Mr. William H. Bayliff, a registered engineer. I have attached Mr. Bayliff's report. As you can tell by the report, the well has a packer set above the producing zone and there is no communication between the tubing and casing. The well has 9 5/8" cemented from 1910' to surface. The well also has 13 5/8" set at 400' and cemented back to surface. All of these assure the well has mechanical integrity and does not pose a threat to the public health, safety or the environment.

For the above reasons, Forcenergy asks for approval of the current well status. I appreciate the time for your consideration of this.

Sincerely,

Daniel S. Carroll
Production Superintendent

C:\WINWORD\gorden399.doc

RECEIVED
MAR 25 1999
DIV. OF OIL, GAS & MINING

#6 Spoon Drive P.O. Box 309 McCook, Nebraska 69001 308/345-2480 FAX 308/345-1381

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
U-0115615 et al.
(UT-932)

MAR 2 7 2001

NOTICE

Forest Oil Corporation	:	Oil and Gas
1600 Broadway, Suite 2200	:	U-0115615 et al
Denver, CO 80202	:	

Merger Recognized (Correction)

Acceptable evidence has been filed in this office concerning the merger of Forcenergy Inc. into Forest Oil Corporation with Forest Oil Corporation being the surviving entity.

The following oil and gas lease files have been noted as to the merger.

U-0115615	U-20544	U-47812
U-49678	U-57469	UTU-73324
	U-63074X (Gordon Creek II Unit)	

We have not attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

A nationwide bond (Surety Bond No. 929 182 000) (BLM Bond No. WY3386) in the name of Forest Oil Corp. is on file in the Wyoming State Office.

ROBERT LOPEZ
Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Vernal Field Office
Moab Field Office
Monticello Field Office
Price Field Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114
Teresa Thompson (UT-931)
Connie Seare (UT-932)
Angela Williams/Rhonda Flynn (UT-942)

FOREST OIL CORPORATION

1600 Broadway • Suite 2200
Denver, Colorado 80202 (303) 812-1400

CERTIFIED MAIL (7000 0520 0024 3365 2106)

December 11, 2000

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

RE: **CHANGE OF OPERATOR**
FORM 9
State #18-1A
Gordon Creek Field
Carbon County, UT

To Whom It May Concern:

Enclosed please find the data as described below:

- Copy of Form 9

Should you have any questions or need further information, you can contact me at (303) 812-1607.

Sincerely,

FOREST OIL CORPORATION

Bonnie M. Scofield

Bonnie M. Scofield
Regulatory Specialist

/bms
Enclosures

RECEIVED
DEC 15 2000
DIVISION OF
OIL, GAS AND MINING

Results of query for operator FORCE

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	Field Name	Produc Zone
4300730078	FORCENERGY INCORPORATED	18-1A STATE	GSI	STATE	8910202960	14S	8E	18	SESW	GORDON CREEK	MANC

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-27908A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: Gordon Creek II Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ OTHER

8. WELL NAME and NUMBER: State #18-1A

2. NAME OF OPERATOR: Forcenergy Inc

9. API NUMBER: 43-007-30078

3. ADDRESS OF OPERATOR: P.O. Box 309 CITY McCook STATE NE ZIP 69001

PHONE NUMBER: 308-345-2480

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 660' FSL & 2235' FWL

COUNTY: CARBON

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 18 14S 8E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forcenergy Inc will assign the above captioned lease, well and associated facilities to Forest Oil Corporation, 1600 Broadway, Suite 2200, Denver, CO 80202. We request that Forest Oil Corporation be named operator of record effective 12/07/2000.

FOREST OIL CORPORATION
Bonnie M. Scofield, Regulatory Specialist

Signature: Bonnie M. Scofield Date: 12/11/00

NAME (PLEASE PRINT) Linda G. Wallen TITLE Engineering Tech. - Forcenergy Inc

SIGNATURE Linda G Wallen DATE 12-7-00

(This space for State use only)

RECEIVED
DEC 21 2000
DIVISION OF
OIL, GAS AND MINING

(5/2000) (See Instructions on Reverse Side)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING		
1. GLH		4-KAS ✓
2. CDW ✓		5-[illegible] ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold) — Designation of Agent

Operator Name Change (Only) — **X Merger**

The operator of the well(s) listed below has changed, effective: **12/7/2000**

FROM: (Old Operator):
FORCENERY INC
Address: 1600 BROADWAY, STE 2200
DENVER, CO 80202
Phone: 1-(308)-345-2480
Account No. N3175

TO: (New Operator):
FOREST OIL CORPORATION
Address: 1600 BROADWAY, STE 2200
DENVER, CO 80202
Phone: 1-(308)-812-1634
Account No. N6965

CA No. **Unit:** **RECAPTURE**

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
STATE 18-1A	43-007-30078	1423	18-14S-08E	STATE	GW	S

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/21/2000
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/15/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 03/298/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 571171-0143
5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 03/22/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 03/22/2001

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 03/29/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 03/29/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: APR 25 200

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on:

COMMENTS:

43-007-30078
T14S R8E 18

State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

February 20, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 4972

Peggy Goss
Forest Oil Corporation
1600 Broadway, Suite 1900
Denver, Colorado 80202

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Ms. Goss:

Forest Oil Corporation, as of February 2004, has one (1) State Lease Well and one (1) Fee Lease Well (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet
Petroleum Engineer

jc
cc: John Baza
Well File
SITLA

	Well Name	API	Lease Type	Years Inactive
1	State 18-1A	43-007-30078	State	10 Years 9 Months
1	RE 6-30U	43-043-30177	Fee	10 Years 6 Months

Attachment A

43-007-30078
14S 8E 18

State of Utah

Department of Natural Resources

ROBERT L. MORGAN
Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

September 23, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 6051

Ms. Peggy Goss
Forest Oil Corporation
1600 Broadway, Suite 2200
Denver, Colorado 80202

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated February 20, 2004

Dear Ms. Goss:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letter dated September 9, 2004 (received by the Division on 9/13/2004) and Sundry dated September 16, 2004 (received by the Division on 9/20/2004) in regards to the two (2) shut-in wells operated by Forest Oil Corporation ("Forest"). It is the Division's understanding the State 18-1A (43-007-30078) has been returned to production and the RE 6-30U (43-043-30177) will be plugged and abandoned this year.

Based on the submitted information and plan of action for the RE 6-30U well the Division grants extended shut-in and temporary abandonment until 1/1/2005, allowing Forest adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet
Petroleum Engineer

CLD:jc
cc: well file
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - *Other instructions on page 2*

5. Lease Serial No.
ML-27908-A (State)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Gordon Creek Unit
8910202960

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
State 18-1A

2. Name of Operator
Forest Oil Corporation

9. API Well No.
4300730078

3a. Address
707 17th Street, Suite 3600 Denver, CO 80202

3b. Phone No. (*include area code*)
(303) 812-1755

10. Field and Pool, or Exploratory Area
Gordon Creek

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
660' FSL & 2235' FWL, Sec 18, T14S, R8E

11. County or Parish, State
Carbon UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Meter & other work
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

A Totalflow EFM was installed on 9/14/2004, when the well first went into production.

Also please note that the Federal Unit number for this state lease has been added to the sign, the berm around the water tank has been repaired, as well as the berm for the downpit drainage.

A site diagram has been attached.

RECEIVED
DEC 17 2007
DIV. OF OIL, GAS & MINING

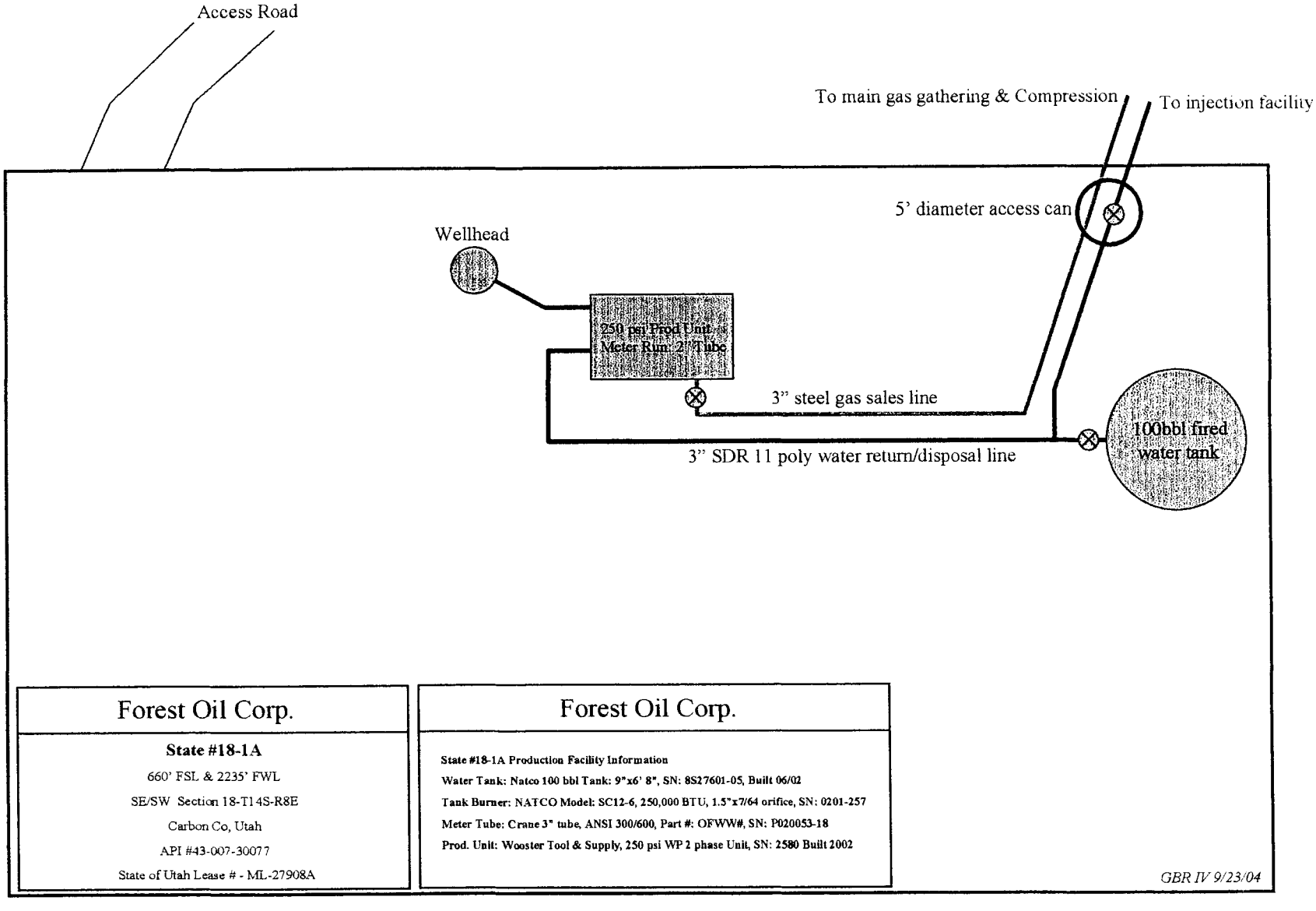
14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*) Tami Hofmann
Title Regulatory Specialist
Signature Tami Hofmann
Date 12/06/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

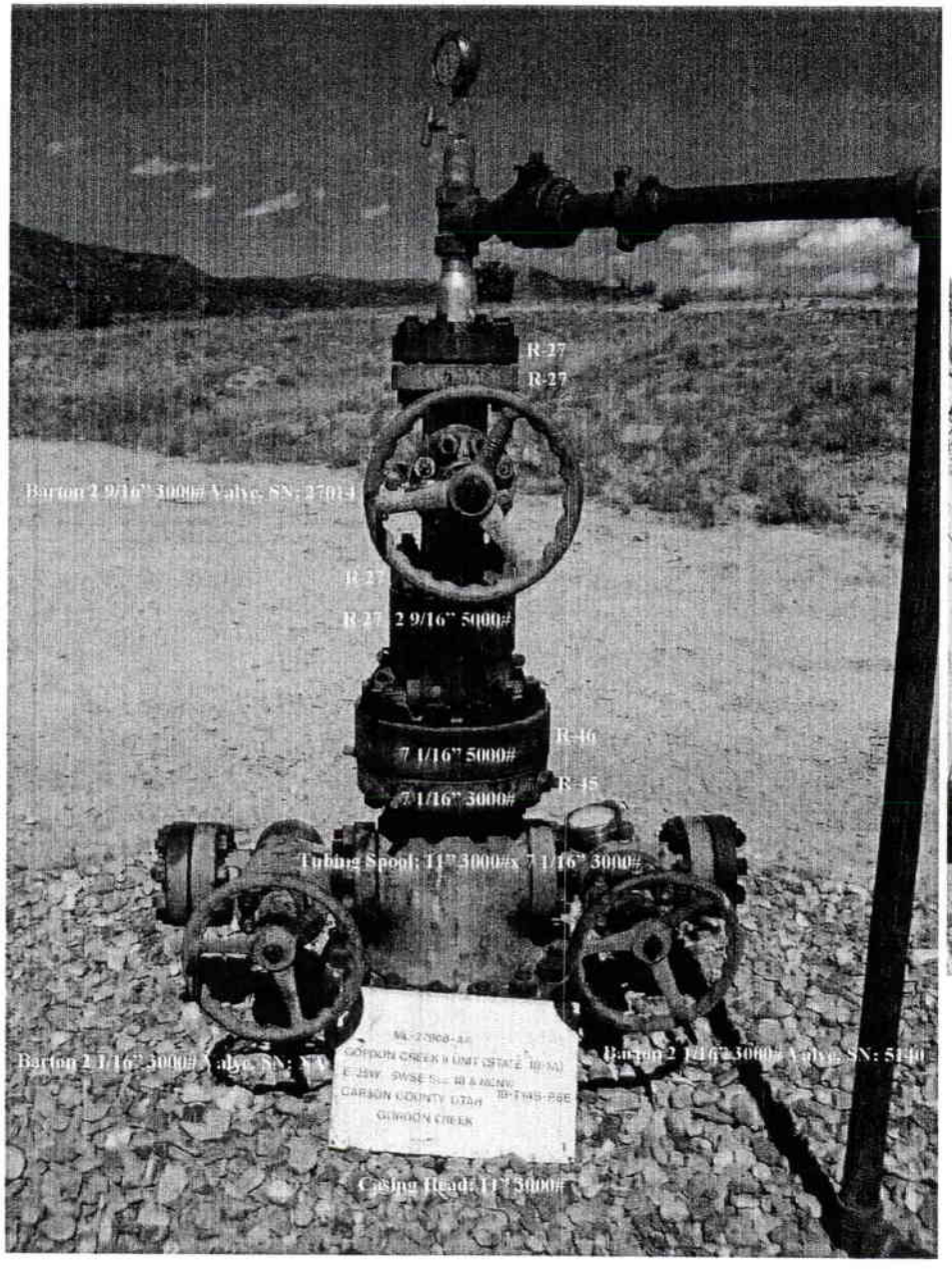
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

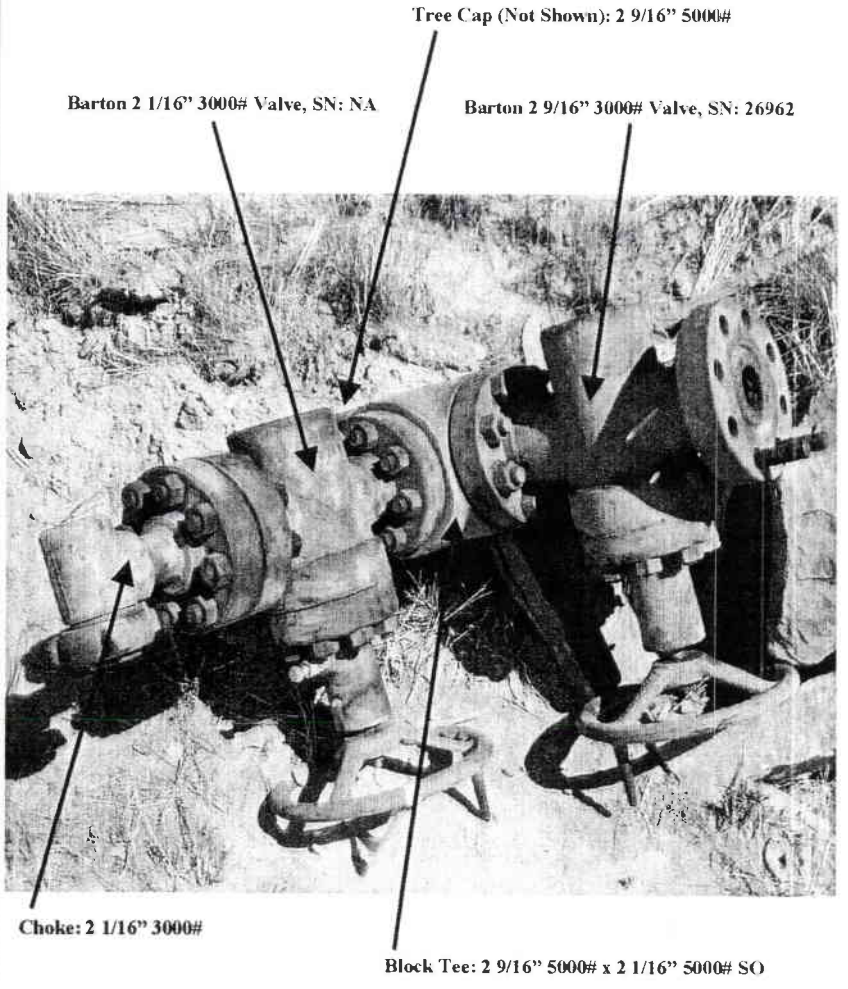


Forest Oil Corp.
State #18-1A
660' FSL & 2235' FWL
SE/SW Section 18-T14S-R8E
Carbon Co, Utah
API #43-007-30077
State of Utah Lease # - ML-27908A

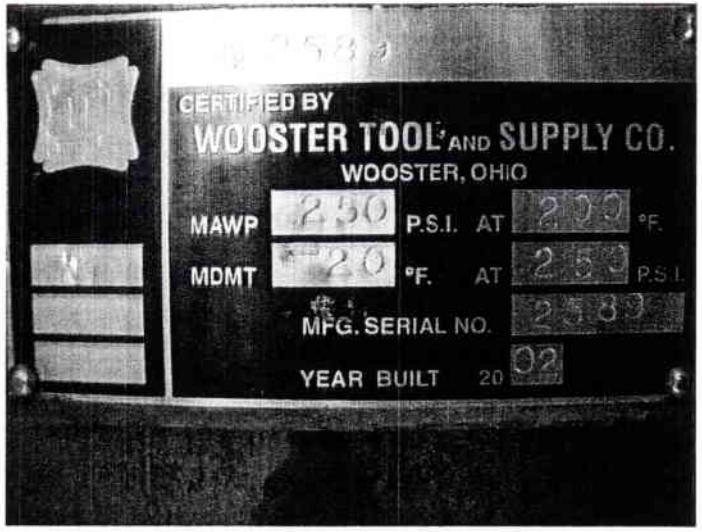
Forest Oil Corp.
State #18-1A Production Facility Information
Water Tank: Natco 100 bbl Tank: 9"x6' 8", SN: 8S27601-05, Built 06/02
Tank Burner: NATCO Model: SC12-6, 250,000 BTU, 1.5"x7/64 orifice, SN: 0201-257
Meter Tube: Crane 3" tube, ANSI 300/600, Part #: OFWW#, SN: P020053-18
Prod. Unit: Wooster Tool & Supply, 250 psi WP 2 phase Unit, SN: 2580 Built 2002

GBR IV 9/23/04

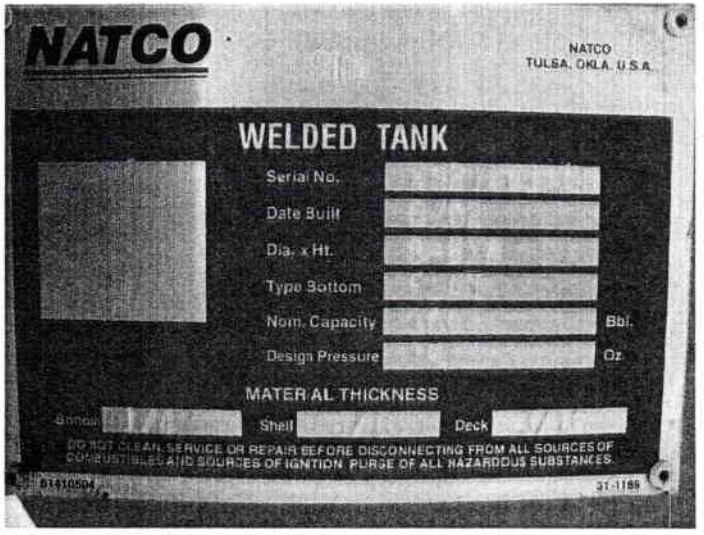

R-27
R-27
Barton 2 9/16" 3000# Valve, SN: 27014
R-27
R-27
2 9/16" 5000#
R-46
7 1/16" 5000#
R-45
7 1/16" 3000#
Tubing Spool: 11" 3000# x 7 1/16" 3000#
Barton 2 1/16" 3000# Valve, SN: NA
Barton 2 1/16" 3000# Valve, SN: 5140
Casing Head: 11" 3000#


Tree Cap (Not Shown): 2 9/16" 5000#
Barton 2 1/16" 3000# Valve, SN: NA
Barton 2 9/16" 3000# Valve, SN: 26962
Choke: 2 1/16" 3000#
Block Tee: 2 9/16" 5000# x 2 1/16" 5000# SO

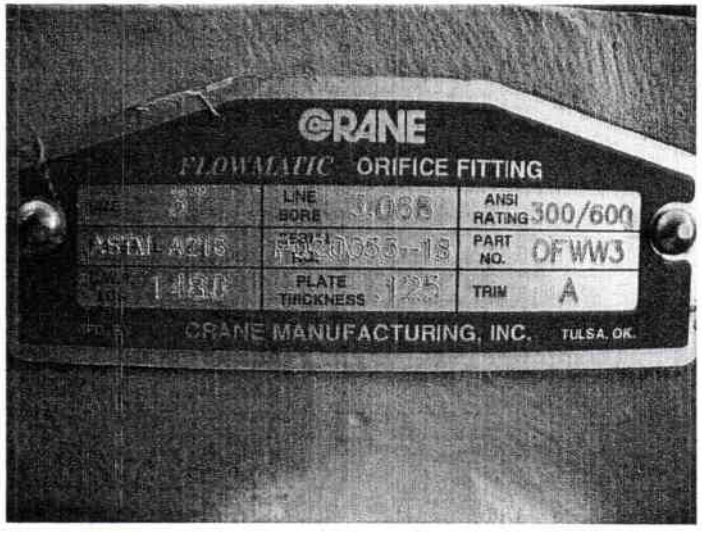
Production Unit



100 bbl Water Tank



Meter Tube



250,000 BTU Tank Burner

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **12/1/2008**

FROM: (Old Operator):	**TO:** (New Operator):
N6965-Forest Oil Corporation	N0735-Omimex Petroleum Inc.
707 17th St, Suite 3600	2001 Beach St, Suite 810
Denver, CO 80202	Fort Worth, TX 76103
Phone: 1 (303) 864-6191	Phone: 1 (817) 735-1500

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
STATE 18-1A	18	140S	080E	4300730078	1423	State	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 3/30/2009
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/30/2009
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 11/25/2008
4a. Is the new operator registered in the State of Utah: Business Number: 7164390-0143
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: N/A
5c. Reports current for Production/Disposition & Sundries on: OK
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA N/A
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 3/31/2009
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 3/31/2009
3. Bond information entered in RBDMS on: 3/31/2009
4. Fee/State wells attached to bond in RBDMS on: 3/31/2009
5. Injection Projects to new operator in RBDMS on: N/A
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 3/31/2009

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A
2. Indian well(s) covered by Bond Number: N/A
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B004740
3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: See Attached List

2. NAME OF OPERATOR: Omimex Petroleum Inc, A Delaware Corporation N0735

9. API NUMBER:

3. ADDRESS OF OPERATOR: 2001 Beach St #810 CITY Ft Worth STATE TX ZIP 76103 PHONE NUMBER: (817) 735-1500

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 12/01/2008 please change the operator for the attached list of Utah wells from Forest Oil Corporation, (N6965) to Omimex Petroleum, Inc. A Delaware Corporation. 707 17th St #3600, Denver CO 80202 (303) 864-6191

Omimex Petroleum, Inc. A Delaware Corporation as new operator, accepts all applicable terms conditions, stipulations and restrictions concerning approved operations conducted on the lease or portion of the lease described.

Omimex Petroleum, Inc. A Delaware Corporation meets the State of Utah bonding requirements under B004740,

Please send all future correspondence to Omimex Petroleum, Inc. A Delaware Corporation to the above listed address.

Glen Mizenko, Sr. VP Bus. Dev. & Corp Engineering. Forest Oil Corp — 11/25/08 Date

NAME (PLEASE PRINT) Clark P. Storms TITLE Vice President Omimex Petroleum

SIGNATURE DATE 11-25-08

(This space for State use only)

APPROVED 3/31/09
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

RECEIVED
MAR 30 2009
DIV. OF OIL, GAS & MINING

LEASE NO	LESSOR	LESSEE	LEASE DATE	EXTENSION DATE	BOOK	PAGE	REFERENCE NO	PROSPECT NAME	STATE	COUNTY	LEGAL DESCRIPTION
	CARBON COUNTY, UTAH										
02556-000001	STATE OF UTAH ML 27506 B	FORCENERGY INC	5/5/1971	6/1/2066				GORDON CREEK	UT	CARBON	Salt Lake Meridian T14S R8E Sec 18: SW/4SE/4 SURFACE TO 4425'
02556-000002	STATE OF UTAH ML 27719 B	FORCENERGY INC	8/9/1971	6/1/2066				GORDON CREEK	UT	CARBON	T14S R8E Sec 18: NESW SURFACE TO 4425'
02556-000003	STATE OF UTAH ML 27908	OWEN L RICKARD	9/27/1971	10/01/66 10/01/66				GORDON CREEK	UT	CARBON	T14S R8E Sec 19: NENW SURFACE TO 100' BELOW 2859' STATE 18-1A GORDON CREEK UNIT II T14S R8E Sec 19: LOTS 1 THROUGH 4, E2SW, SENW SURFACE TO 100' BELOW 2859'
02556-000004	STATE OF UTAH ML 27908 B	OWEN L RICKARD	9/27/1971	6/1/2066				GORDON CREEK	UT	CARBON	T14S R8E Sec 18: SESW SURFACE TO 4425' STATE 18-1A GORDON CREEK UNIT II

43007 30078

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

March 16, 2011

CERTIFIED MAIL NO.: 7005 1820 0001 5562 7869

Mr. Feller Grajiola
Omimex Petroleum, Inc.
7950 John T White Rd
Fort Worth, TX 76120-3609

43 007 30078
State 18-1A
KS 8E 18

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Grajiola:

As of January 2011, Omimex Petroleum, Inc. has one (1) State Lease Well (see attachment A) that is currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet
Petroleum Engineer

DKD/JP/js
Enclosure
cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	STATE 18-1A	43-007-30078	ML-27908-B	1 Year 10 Months

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: State 18-1A

2. NAME OF OPERATOR: Omimex Petroleum, INC

9. API NUMBER: 4300730078

3. ADDRESS OF OPERATOR: 7950 John T. White CITY Fort Worth STATE TX ZIP 76120

PHONE NUMBER: (817) 460-7777

10. FIELD AND POOL, OR WILDCAT: Gordon Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 660 FSL 2235 FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 18 14S 8E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Notice to MIT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please note that Omimex is filing a sundry to inform the State of Utah Division of Oil, Gas and Mining that we will perform a MIT on State 18-1A in May of 2011. As informed to Mr. Dustin Doucet, an MIT was attempted during the week of April 4th in response to the letter dated March 16, 2011, but the weather conditions prevented Omimex from doing so.

Accepted by the Utah Division of Oil, Gas and Mining For Record Only

RECEIVED
APR 18 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jason Alley TITLE Petroleum Engineering Technician

SIGNATURE Jason Alley DATE 4/12/2011

(This space for State use only)

Accepted by the Utah Division of Oil, Gas and Mining For Record Only

(5/2000)

(See Instructions on Reverse Side)

OMIMEX PETROLEUM INC.

7950 John T. White

FORT WORTH TX 76120

April 13, 2011

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210 Box 145801

Salt Lake City, Utah 84114

Att: Mr. Dustin Doucet

Dear Mr. Doucet,

Please find enclosed the Sundry for State 18-1A explaining our intentions for completing the MIT.

Should you have any questions please feel free to reach me at the address listed above or via email:

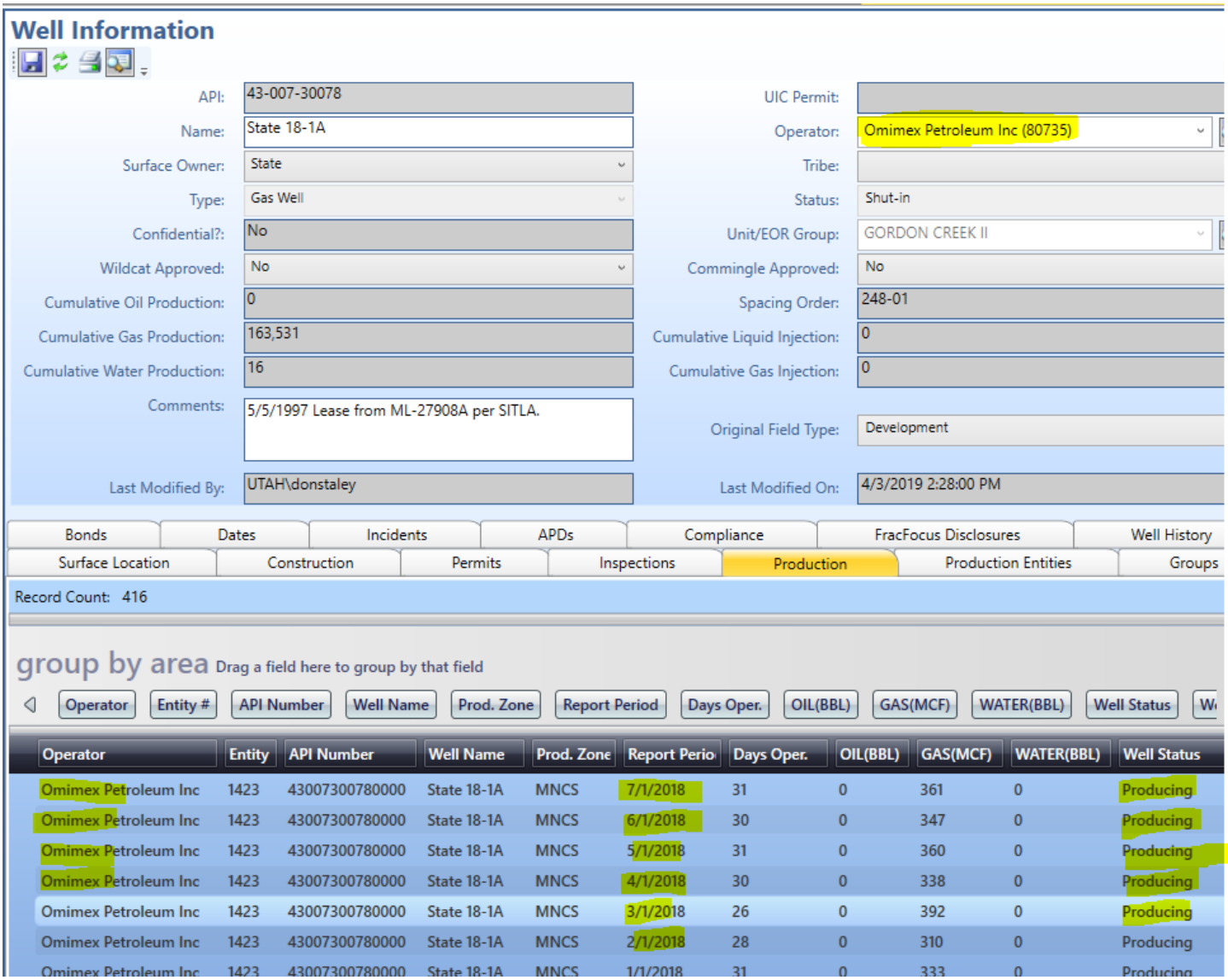
Jason_Alley@omimexgroup.com

Cheers,

Jason Alley

Petroleum Engineering Technician

Production reports received from Omimex through July 2018…



Well Information

API:	43-007-30078	UIC Permit:	
Name:	State 18-1A	Operator:	Omimex Petroleum Inc (80735)
Surface Owner:	State	Tribe:	
Type:	Gas Well	Status:	Shut-in
Confidential?:	No	Unit/EOR Group:	GORDON CREEK II
Wildcat Approved:	No	Commingle Approved:	No
Cumulative Oil Production:	0	Spacing Order:	248-01
Cumulative Gas Production:	163,531	Cumulative Liquid Injection:	0
Cumulative Water Production:	16	Cumulative Gas Injection:	0
Comments:	5/5/1997 Lease from ML-27908A per SITLA.	Original Field Type:	Development
Last Modified By:	UTAH\donstaley	Last Modified On:	4/3/2019 2:28:00 PM

Bonds | Dates | Incidents | APDs | Compliance | FracFocus Disclosures | Well History

Surface Location | Construction | Permits | Inspections | Production | Production Entities | Groups

Record Count: 416

group by area Drag a field here to group by that field

Operator	Entity	API Number	Well Name	Prod. Zone	Report Perio	Days Oper.	OIL(BBL)	GAS(MCF)	WATER(BBL)	Well Status
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	7/1/2018	31	0	361	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	6/1/2018	30	0	347	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	5/1/2018	31	0	360	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	4/1/2018	30	0	338	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	3/1/2018	26	0	392	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	2/1/2018	28	0	310	0	Producing
Omimex Petroleum Inc	1423	43007300780000	State 18-1A	MNCS	1/1/2018	31	0	333	0	Producing

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State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Elevated to
Joshua Payne, 6/14/2021
Division Order

NOTICE OF VIOLATION
UTAH OIL AND GAS CONSERVATION ACT

TO THE FOLLOWING OPERATOR:

Feller Grajiola
Omimex Petroleum, Inc.
7950 John T White Road
Fort Worth, TX 76120

Date of Mailing: March 11, 2019
Certified Mail No.: 7017 1070 0000 9113 5754

Compliance Deadline: 3/28/2019

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the described site and/or records on the date listed below and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

The operator has failed to submit Monthly Oil and Gas Production and Disposition Reports to the Utah Division of Oil, Gas and Mining in an accurate and timely manner by the required deadlines. The following reports have not been submitted:

August 2018	(due October 15, 2018)
September 2018	(due November 15, 2018)
October 2018	(due December 15, 2018)
November 2018	(due January 15, 2019)
December 2018	(due February 15, 2019)

Rule Reference(s):

Rule R649-8-11. Monthly Oil and Gas Production Report

Rule R649-8-12. Monthly Oil and Gas Disposition Report

Well(s) or Facility in Violation listed on next page

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Required Actions:

Submission of Forms 10 and 11 is required by Utah Oil and Gas Conservation General Rules R649-8-11 and R649-8-12, which both explain that the forms are to be submitted by each operator to account for their operations by the fifteenth day of the second calendar month following the month of production.

Monthly Oil and Gas Production and Disposition Reports (Forms 10 and 11) should be properly completed and submitted to the division for the above report periods by the resolution deadline below. All reports thereafter should be submitted by the required monthly deadlines (45 days following the end of the month of operations) in order to avoid additional enforcement action.

* **Fines may be levied up to $10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: **3/28/2019**

Don Staley

Digitally signed by Don Staley
DN: cn=Don Staley, o, ou, email=donstaley@utah.gov, c=US
Date: 2019.02.19 09:02:58 -07'00'

Information Services Manager (801) 538-5275

cc: Compliance File
Rachel Medina
Carolyn Williams
Josh Payne, Compliance Manager

List of Well(s) or Facility in Violation:

Well or Faciity Name	API #	Date of Inspection
State 18-1A	43-007-30078	

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Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
BRIAN C. STEED
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Elevated to
Joshua Payne, 6/14/2021
Division Order

NOTICE OF VIOLATION
UTAH OIL AND GAS CONSERVATION ACT

TO THE FOLLOWING OPERATOR:

Feller Grajiola

Omimex Petroleum, Inc.

7950 John T White Road

Fort Worth, TX 76120

Date of Mailing: 8/13/19

Certified Mail No.: 7017 1070 0000 9113 6102

Compliance Deadline: 8/27/2019

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the described site and/or records on the date listed below and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

The operator has failed to submit Monthly Oil and Gas Production and Disposition Reports to the Utah Division of Oil, Gas and Mining in an accurate and timely manner by the required deadlines. The following reports have not been submitted:

August 2018 through December 2018 *** SECOND NOTICE ***
January 2019 through May 2019

Rule Reference(s):

Rule R649-8-11. Monthly Oil and Gas Production Report

Rule R649-8-12. Monthly Oil and Gas Disposition Report

Well(s) or Facility in Violation listed on next page

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Required Actions:

Submission of Forms 10 and 11 is required by Utah Oil and Gas Conservation General Rules R649-8-11 and R649-8-12, which both explain that the forms are to be submitted by each operator to account for their operations by the fifteenth day of the second calendar month following the month of production.

Monthly Oil and Gas Production and Disposition Reports (Forms 10 and 11) should be properly completed and submitted to the division for the above report periods by the resolution deadline shown on this notice. All reports thereafter should be submitted by the required monthly deadlines (45 days following the end of the month of operations) in order to avoid additional enforcement action.

* **Fines may be levied up to $10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: **8/27/2019**

Don Staley

Digitally signed by Don Staley
DN: cn=Don Staley, o, ou, email=donstaley@utah.gov, c=US
Date: 2019.08.05 11:24:08 -06'00'

Information Services Manager (801) 538-5275

cc: Compliance File
Carolyn Williams
Josh Payne, Compliance Manager

List of Well(s) or Facility in Violation:

Well or Faciity Name	API #	Date of Inspection

Omimex Resources, Inc.

Omimex Energy, Inc. Omimex Canada, Ltd. Omimex Petroleum, Inc.

August 22th, 2019

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Attn: Don Stanley – Information Services Manager

RE: Notice of Violation Utah Oil and Gas Conservation Act
Submission Forms 10 and 11 - August through December 2018
Submission Forms 10 and 11 - January through May 2019
Well: State 18-1A

Dear Mr. Stanley:

We received the subject notice dated August 13th, 2019.

Omimex Petroleum, Inc. no longer operates well State 18-1A, API 43-007-30078-00-00. The well was sold to Gordon Creek Energy, Inc.

Sincerely,

Joyce Owen
Production Analyst
Omimex Petroleum, Inc.
joyce_owen@omimexgroup.com
817-460-7777 x210

Don Staley <donstaley@utah.gov>

Re: Omimex

1 message

Rachel Medina <rachelmedina@utah.gov> Tue, Sep 3, 2019 at 8:48 AM
To: Don Staley <donstaley@utah.gov>

We have not received anything.

On Tue, Sep 3, 2019 at 8:42 AM Don Staley <donstaley@utah.gov> wrote:

> Hi,
>
> Did you ever receive an operator change for the State 18-1A well, 4300730078, from Omimex to Gordon Creek? In a response to a couple of production report NOVs, Omimex sent me a letter last week stating that they sold the well to Gordon Creek.
>
> Don

--
Rachel Medina
Division of Oil, Gas & Mining
Bonding Technician
801-538-5260

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
BRIAN C. STEED
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

September 5, 2019

Joyce Owen
Omimex Resources, Inc.
7950 John T. White Road
Fort Worth, TX 76120

Subject: Notice of Violation and Well Operator Change

Dear Ms. Owen:

Thank you for your efforts to comply with the Notice of Violation (NOV) dated 8/13/2019. Unfortunately, we are unable to recognize the change of operator of the State 18-1A well, API 4300730078, to Gordon Creek Energy, Inc., until we receive the proper documentation. Rule R649-8-10, Form 9, Sundry Notices and Reports on Wells, states the following:

> 2. In addition to the types of work listed on the form, a Sundry Notice is required for the following:
> 2.5. Notice of change of operator. The report form should be submitted by both the previous operator and the new operator.

Once the division receives documentation from both companies, and the new operator agrees to operate the well and provide the required bonding coverage, the operatorship of the well will be transferred to the new company on the division's records. At that time, if there are no further plans to operate wells in Utah, Omimex will be free to request the release of their plugging bond from the division, per the procedures outlined in Rule R649-3-1.15.

If you have any questions regarding operator change procedures or well bonding, please feel free to contact Rachel Medina, of this office, at 801-538-5260, or rachelmedina@utah.gov.

Your assistance in this matter is greatly appreciated.

Sincerely,

Don Staley
Information Services Manager, Oil & Gas

DTS/js
cc: Josh Payne
Rachel Medina
Carolyn Williams
Compliance File

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

Don Staley <donstaley@utah.gov>

Omimex Petroleum Inc - Notice of Violation State 18-1A

1 message

Joyce Owen <Joyce_Owen@omimexgroup.com> Mon, Sep 9, 2019 at 3:10 PM
To: "donstaley@utah.gov" <donstaley@utah.gov>

Good afternoon Mr. Staley,

We received a Notice of Violation regarding Production Reports not filed for the Well State 18-1A with a compliance deadline 8/27/2019. We answered with a letter sent via certified mail on 8/26/19 (please see attached file). The well was sold to Gordon Creek Energy, Inc. Omimex Petroleum, Inc is no longer the Operator. Our Land Department had sent the lease assignment and change of Operator forms to the appropriate State office.

I received today a new letter to send Monthly Oil and Gas Production and Disposition Report – Form 10 & 11 for the State 18-1A (file attached). To whom should I return this form with the appropriate comments regarding the situation?

Thank you for your attention,

Joyce Owen

Production Analyst

Omimex Resources, Inc

Joyce_Owen@omimexgroup.com

phone: 817-460-7777 ext 210

fax: 817-460-1381

www.omimex.com

2 attachments

Notice of Violation (Delinquent Prod Rpts State 18-1A Aug2018-May2019).pdf
885K

Letter received 09.09.2019 Prod rpt State 18-1A Forms 10 & 11.pdf
161K

Don Staley <donstaley@utah.gov>

Re: Omimex Petroleum Inc - Notice of Violation State 18-1A

1 message

Don Staley <donstaley@utah.gov> Mon, Sep 9, 2019 at 4:19 PM
To: Joyce Owen <Joyce_Owen@omimexgroup.com>
Cc: Joshua Payne <joshuapayne@utah.gov>, Rachel Medina <rachelmedina@utah.gov>, Carolyn Williams <carolynwilliams@utah.gov>

Dear Ms. Owen,

Our office received your letter on 8/29/2019. Following the holiday weekend, I sent a reply back to you via letter dated 9/5/2019 (copy attached). It explains that Rule R649-8-10 requires that a Sundry Notice, Form 9, be submitted to the Utah Division of Oil, Gas and Mining, by both Omimex and Gordon Creek to properly document the operator change. Once the division receives documentation from both companies, and Gordon Creek agrees to be responsible for the well, then, operatorship of the well will be transferred in the division's records. You stated that your land department has sent the operator change forms to the "appropriate" State office. As of this date, the Division of Oil, Gas and Mining has not received those forms. We also have not received any documentation regarding an operator change from Gordon Creek. Until such time that all rules are complied with and we receive all of the necessary documentation, we have no choice but to regard Omimex as the operator of record.

Please check with your land department to assure the documents are sent to the Division of Oil, Gas and Mining. Also please coordinate with your contacts at Gordon Creek and make sure they are aware that they, too, are required by rule to submit the proper documentation to this office before they can legally operate the well.

Your assistance in this matter is greatly appreciated.

Don Staley
Information Services Manager
Utah Division of Oil, Gas and Mining
-- Oil & Gas Program

On Mon, Sep 9, 2019 at 3:11 PM Joyce Owen <Joyce_Owen@omimexgroup.com> wrote:

> Good afternoon Mr. Staley,
>
> We received a Notice of Violation regarding Production Reports not filed for the Well State 18-1A with a compliance deadline 8/27/2019. We answered with a letter sent via certified mail on 8/26/19 (please see attached file). The well was sold to Gordon Creek Energy, Inc. Omimex Petroleum, Inc is no longer the Operator. Our Land Department had sent the lease assignment and change of Operator forms to the appropriate State office.
>
> I received today a new letter to send Monthly Oil and Gas Production and Disposition Report – Form 10 & 11 for the State 18-1A (file attached). To whom should I return this form with the appropriate comments regarding the situation?
>
> Thank you for your attention,

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
BRIAN C. STEED
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Elevated to
Joshua Payne, 6/14/2021
Division Order

NOTICE OF VIOLATION
UTAH OIL AND GAS CONSERVATION ACT

TO THE FOLLOWING OPERATOR:

Feller Grajiola

Omimex Petroleum, Inc.

7950 John T White Road

Fort Worth, TX 76120

Date of Mailing: 4/22/2020
Certified Mail No.: 7017 1707 0000 9113 7253

Compliance Deadline: 5/25/2020

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the described site and/or records on the date listed below and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

This well is in violation of the SI/TA rule (R649-3-36). Last reported production was in July of 2018. Omimex Petroleum Inc ("Omimex") has not submitted production reports since that date and has not submitted a request for extension of SI/TA as required by rule. Correspondence received by the Division from Omimex in August of 2019 indicated the well was transfered. The proper documentation was not submitted to the Division to make this change as per rules R649-3-1-14.4 through 14.8. Transfer of ownership of property does not cancel liability under an existing bond until the proper documentation has been submitted in accordance with these rules and has been reviewed and approved by the Division. Until an operator change has been approved, the responsibility of plugging or repairing any wells and restoring any well site and meeting all other requirements of the rules includeing rule R649-36 remains the responsibility of Omimex.

Rule Reference(s):

Rule R649-3-36. Shut-in and Temporarily Abandoned Wells

Rule R649-3-1.14.(4-7). Bonding

Rule R649-8-11. Monthly Oil and Gas Production Report

Well(s) or Facility in Violation listed on next page

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Required Actions:

Submit outstanding production reports.
Submit a sundry and gain Division approval for extension of SI/TA per R649-3-36 or submit a sundry to P&A the well.
If determination made to P&A the well, then secure a contract to P&A the well so the P&A work can start as soon as possible.

* **Fines may be levied up to $10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: **5/25/2020**

Dustin K. Doucet
Digitally signed by Dustin K. Doucet
Date: 2020.04.22 08:43:02 -06'00'

Petroleum Engineer (801) 538-5281

cc: Compliance File
Well / Facility File

List of Well(s) or Facility in Violation:

Well or Faciity Name	API #	Date of Inspection
State 18-1A	43-007-30078	4/21/2020

State of Utah

SPENCER J. COX
Governor

DEIDRE M. HENDERSON
Lieutenant Governor

Department of Natural Resources
Division of Oil, Gas and Mining

BRIAN C. STEED
Executive Director

JOHN R BAZA
Division Director

June 14, 2021

DIVISION ORDER

Ms. Joyce Owen
Omimex Petroleum Inc
7950 JOHN T WHITE RD
Fort Worth, TX 76120
Certified Mail #7015 0640 0003 5303 7176 via USPS
Via email: Joyce_Owen@omimexgroup.com

Subject: Division Order to Plug and Abandon the State 18-1A Well

Dear Ms. Owen,

The Division of Oil, Gas and Mining (Division) issued OMIMEX PETROLEUM INC (Omimex) a Notice of Violation (NOV) for the State 18-1A well (Subject Well) on March 11, 2019, and another on August 13, 2019, for failing to submit Monthly Oil and Gas Production and Disposition Reports. Another NOV was issued on April 22, 2020, for being in violation of the SI/TA rule (R649-3-36). The violations outlined in each NOV remain outstanding. Omimex has not met the deadline nor resolved the requirements by rule as outlined in the NOVs.

Omimex responded in August of 2019 stating the well was transferred to Gordon Creek Energy Inc. However, the proper documentation was not submitted to the Division by either party as per rules R649-3-1-14.4 - 14.8. Civil transfer of property does not cancel liability under the existing bond until the required documentation has been submitted and approved by the Division in accordance with the above rules. As of this date, Omimex is responsible for meeting all NOV violations and rule requirements.

The State 18-1A Well is in violation of Utah Administrative Code Rules R649-3-36 Shut-in and Temporarily Abandoned Wells, R649-8-11. Monthly Oil and Gas Production Report, and R649-8-12. Monthly Oil and Gas Disposition Report.

The Subject Well reference information is:

Well Name	API	Shut-In
State 18-1A	43-007-30078	7/2018

The Subject Well has been shut-in for well over 1 year without approved shut-in extension. Last production was reported in July 2018. Omimex has also failed to maintain a field presence and maintain a safe and workmanlike location using good housekeeping.

Therefore, the Division is ordering Omimex to plug and abandon the Subject Well by Friday, July 30th. Division authority to order the well plugged is found in Utah Admin. Code R649-3-36. The well shall be plugged in accordance with R649-3-24.

Omimex has the right to appeal this Division Plugging Order by commencing an informal adjudicative proceeding with the Division within ten (10) days of the date of the mailing of this Division Plugging Order, according to procedures set forth in R649-10-6. A request for review of a Division Order must be filed with Bart Kettle, Deputy Director, (801) 538-5316, bartkettle@utah.gov.

In the event Omimex does not plug and abandon the Subject Well, the Division will file for a formal hearing before the Board, as described in the Utah Admin. Code R641 *et. seq*., requesting a Board Order to plug and restore the well site. Should this matter be brought before the Board, the Division will seek forfeiture of Omimex's $120,000 blanket bond (R649-3-36 and R649-3-1.16), liability for plugging costs in excess of bond forfeiture amounts (R649-3-1.16.5) and civil penalties of up to $10,000 per day for each day of violation (Utah Code § 40-6-11).

Questions regarding this order may be directed to Joshua Payne, Compliance Manager at (801) 538-5314 or Dustin Doucet, Petroleum Engineer at (801) 538-5281.

Sincerely,

Joshua Payne
Compliance Manager

Enclosures

cc: Bart Kettle, Oil and Gas Deputy Director
Haley Sousa, AG's office
Dustin Doucet
Bev Wiser
Megan Crocker
Dal Gray
Compliance File
Well File

State of Utah

SPENCER J. COX
Governor

DEIDRE M. HENDERSON
Lieutenant Governor

Department of Natural Resources
Division of Oil, Gas and Mining

BRIAN C. STEED
Executive Director

JOHN R BAZA
Division Director

~~June 14, 2021~~ July 7, 2021

DIVISION ORDER

Ms. Joyce Owen
Omimex Petroleum Inc
7950 JOHN T WHITE RD
Fort Worth, TX 76120
Certified Mail #7015 0640 0003 5303 7176 via USPS
Via email: Joyce_Owen@omimexgroup.com

Ms. Joyce Owen
Omimex Petroleum Inc
PO Box 80169
Keller TX 76244-2902
Certified Mail #7020 1810 0000 3915 5329

Subject: Division Order to Plug and Abandon the State 18-1A Well

Dear Ms. Owen,

The Division of Oil, Gas and Mining (Division) issued OMIMEX PETROLEUM INC (Omimex) a Notice of Violation (NOV) for the State 18-1A well (Subject Well) on March 11, 2019, and another on August 13, 2019, for failing to submit Monthly Oil and Gas Production and Disposition Reports. Another NOV was issued on April 22, 2020, for being in violation of the SI/TA rule (R649-3-36). The violations outlined in each NOV remain outstanding. Omimex has not met the deadline nor resolved the requirements by rule as outlined in the NOVs.

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The Subject Well reference information is:

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State 18-1A	43-007-30078	7/2018

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Questions regarding this order may be directed to Joshua Payne, Compliance Manager at (801) 538-5314 or Dustin Doucet, Petroleum Engineer at (801) 538-5281.

Sincerely,

Joshua Payne
Compliance Manager

Enclosures

cc: Bart Kettle, Oil and Gas Deputy Director
Haley Sousa, AG's office
Dustin Doucet
Bev Wiser
Megan Crocker
Dal Gray
Compliance File
Well File

State of Utah

SPENCER J. COX
Governor

DEIDRE M. HENDERSON
Lieutenant Governor

Department of Natural Resources
Division of Oil, Gas and Mining

BRIAN C. STEED
Executive Director

JOHN R. BAZA
Division Director

August 2, 2021

Omimex Petroleum, Inc.
Attn: Brady Ross
2600 Royal Glen Drive
Arlington, TX 76012
Certified Mail #7020 1810 0000 3915 5404

Re: Re: Request for Agency Action, Division Order State 18-1A, API 43-007-30078

Dear Mr. Ross:

The Division of Oil, Gas and Mining herby grants your request dated July 28, 2021, for an informal adjudicative proceeding for a Division Order dated July 7, 2021.

The Division file number will be 20210707 DO State 18-1A. The proceeding reference will be Omimex Petroleum, Inc. Informal Adjudicative Proceedings. Proceedings will be conducted informally according to R649-10, 63G-4-202 and 63G-4-203.

Informal hearing will be held on Monday, August 30, 2021, at 10:00 am. The hearing will be conducted electronically to hear Omimex Petroleum, Inc disclaim of interest in the State 18-1A well. The presiding officer with be:

Bart Kettle
Utah Division of Oil, Gas and Mining
Deputy Director
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801
435-820-0862

Regards,

Bart Kettle
Deputy Director – Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
ML-27908-B

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
GORDON CREEK II

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
State 18-1A

2. NAME OF OPERATOR:
Omimex Petroleum Inc

9. API NUMBER:
43007300780000

3. ADDRESS OF OPERATOR:
7950 John T White Road , Fort Worth, TX, 76120-3609

PHONE NUMBER:
817-460-7777

9. FIELD and POOL or WILDCAT:
GORDON CREEK

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
660 FSL 2235 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 18 Township: 14S Range: 8E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/1/2021	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
See attached Form 9 that was emailed to Ellis Peterson at the Division and is being submitted via ePermit on behalf of the operator. The approximate start date for this proposed activity was not included by the operator on their provided Form 9, but the date of 10/01/2021 though arbitrary is to indicate urgency of initiating the plug and abandonment of the State 18-1A well.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 08, 2021

By: Ellis Peterson

Please Review Attached Conditions

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ellis Peterson	801 538-5315	DOGM Engineer
SIGNATURE		**DATE**
N/A		9/7/2021

RECEIVED: Sep. 07, 2021

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions For Well Number 43007300780000

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call both Ammon McDonald at 385-226-6718 and Mark Jones at 435-820-8504.

2. All plugs shall be at depths as proposed in operator's submitted plan or as otherwise required by either these conditions of approval or by the onsite DOGM representative. Cement volumes used for the plugs shall be appropriate for casing and borehole sizes. Methods of placement for the cement plugs shall be as necessary to assure isolation inside and outside every casing string at each prescribed plug depth. All cement plugs must be of approved materials and mixed to provide acceptable compressive strength.

3. All balanced cement plugs shall be tagged to ensure that they are at the depths specified unless otherwise directed by the onsite DOGM representative.

4. All casing and annuli shall be cemented from a minimum depth of 100' to the surface.

5. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration or as directed by SITLA.

6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.

7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.

8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

RECEIVED: Sep. 08, 2021

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-279018-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Gordon Creek State 18-1A
9. API NUMBER: 4300730078
10. FIELD AND POOL, OR WILDCAT: Gordon Creek

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
2. NAME OF OPERATOR: Omimex Petroleum, Inc.
3. ADDRESS OF OPERATOR: P.O. Box 80169 CITY Fort Worth STATE TX ZIP 76244 PHONE NUMBER: (817) 966-0464
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 660 FSL x 2235 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 18 14S 8E
COUNTY: Carbon
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached schematic,

1. Set CIBP in tubing at 1735'
2. Cut tubing at +/-1700'
3. Place 100' cement plug on top of packer and tubing stub.
4. Place 100' balanced cement plug centred at the surface casing shoe depth 400'
5. Place a cement plug from 100' to surface in 9 5/8" casing and top off the 9 5/8" x 13 3/8" casing
6. Dig, cut and cap casing
7. Weld well I.D. plate
8. Reclaim surface as needed

NAME (PLEASE PRINT) Naresh K. Vashisht TITLE President

SIGNATURE Naresh K. Vashisht DATE 8/30/21

(This space for State use only)

Current Schematic

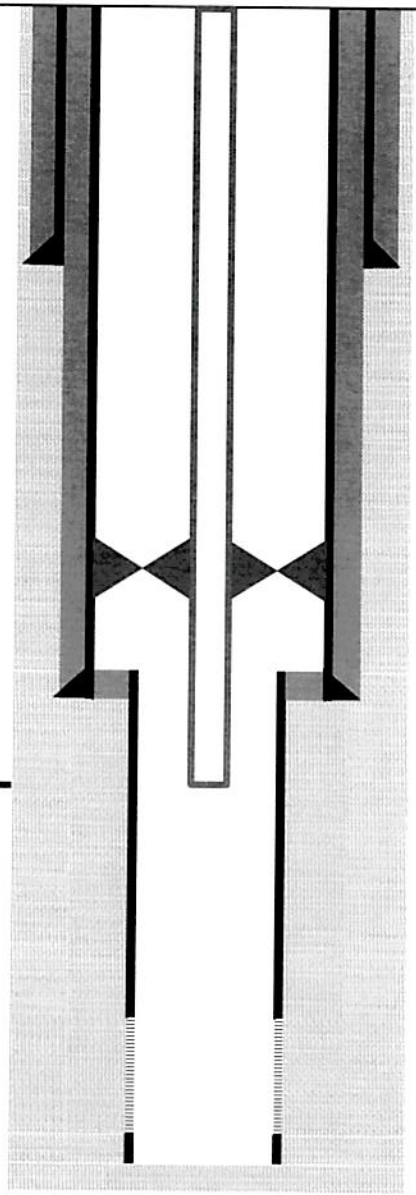
Well Name:	**Gordon Creek State 18-1A**
Field:	Gordon Creek
API#:	**43-007-30078**
County / State:	Carbon County, Utah
Location:	SESW Sec. 18 T14S - R8E
Footage:	660 FSL x 2235 FWL
Type:	Gas
Status:	Producing
Lease:	ML-279018-B
Spud:	7/2/1982
Completed:	7/24/1982
GL	7621'
KB	7634'
TD	2859'

Producing FM Mancos (2761' - 2844')

FM Tops	TVD
Mancos Shale	1600'
Mancos Sand	2758'

Perforations	Notes	From	To	SPF
None				

WELL BORE SCHEMATIC



Depth KB		
0' - 400'	17 1/2" Hole	
400'	Surface Csg:	13-3/8" 48# H-40, Cemented with 500 sxs Type II
400' - 1910'	12 1/4" Hole	
1910'	Intermediate Csg:	9-5/8" 36# K-55, Cemented with 285 sxs Class H & 545 sxs down annulus
1735'	Permanent PKR	Otis Type WB Permanent Packer
1754'	Liner TOL	
1758'	Tubing EOT	2-7/8" 5.5# J-55 EUE
1910' - TD	7-7/8" Hole	
1754' - 2844'	Liner	4-1/2" 16.6# K-55 Liner, not cemented Liner is perforated from 2761' - 2844'
2859'	PBTD	
2859'	TD	

Last Edited 3/2017 - JS

WELL BORE SCHEMATIC

Proposed P&A Schematic

Well Name:	**Gordon Creek State 18-1A**
Field:	Gordon Creek
API#:	**43-007-30078**
County / State:	Carbon County, Utah
Location:	SESW Sec. 18 T14S - R8E
Footage:	660 FSL x 2235 FWL
Type:	Gas
Status:	Producing
Lease:	ML-279018-B
Spud:	7/2/1982
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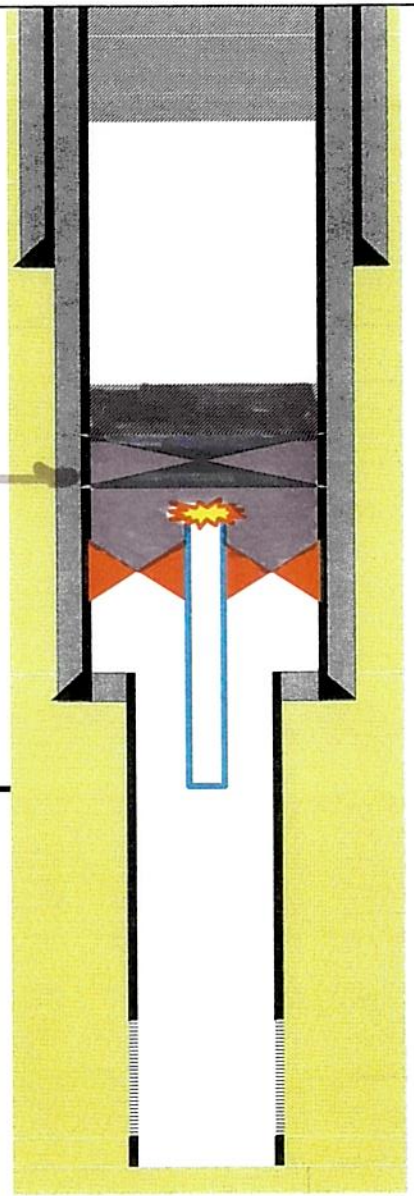
Producing FM Mancos (2761' - 2844')

100' CEMENT PLUG

FM Tops	TVD
Mancos Shale	1600'
Mancos Sand	2758'

Perforations	Notes	From	To	SPF
None				



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2859'	PBTD	
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Last Edited 3/2017 - JS

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8. Reclaim surface as needed

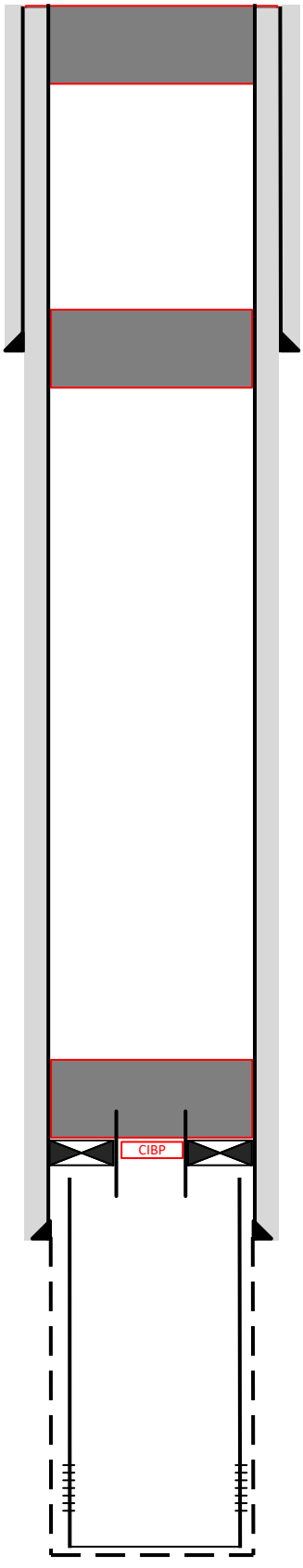
Printed On 3/28/2017

DOGM Diagram

Gordon Creek State 18-1A

SESW Section 18-14S-8E
Carbon County, UT
API#43-007-30078

Cement Volumes based on 1.15 CF/Sk yield Class G
60% excess in open-hole



Plug #3:
Inside 9-5/8" 38 sks x 1.15 x 2.3038 = 100' 0' - 100'
9-5/8" x 13-3/8" 5 sks x 1.15 x 2.6560 = 15' 0' - 15'

13-3/8" 48# @ 400'

Plug #2: 38 sks x 1.15 x 2.3038 = 100' 350' - 450'

Plug #1: 38 sks x 1.15 x 2.3038 = 100' 1635' - 1735'

Tubing cut @1700'

CIBP in tubing @ 1735'

Perm Packer @ 1735'
4-1/2" Top @ 1754'
9-5/8" 36# @ 1910'

Capacity (ft/CF)

9-5/8" (36#)	2.3038
9-5/8" x 13-3/8"(48#)	2.6560

4-1/2" 16.6# @ 2844'

This wellbore diagram is provided for DOGM employees and intended only for their reference. It does not supersede, replace, or change any conditions of approval or rules related to abandonment of this well.

RECEIVED: Sep. 08, 2021

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 10/1/2021

FORMER OPERATOR:	NEW OPERATOR:
Omimex Petroleum Inc	Price River Energy, LLC

Groups: NA

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
State 18-1A	4300730078	14	S	8	E	18	1423	Gas Well	Producing

Total Well Count: 1
Pre-Notice Completed: OK

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 4/5/2022
2. Sundry or legal documentation was received from the **NEW** operator on: 4/5/2022
3. New operator Division of Corporations Business Number: 11567497-0161

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: NA
Reports current for Production/Disposition & Sundries: OK
OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 4/5/2022
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne NA
Surface Facility(s) included in operator change: NA

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): 1563131480

DATA ENTRY:

Well(s) update in the RBDMS on: 4/5/2022
Group(s) update in RDBMS on: NA
Surface Facilities update in RBDMS on: NA
Entities Updated in RBDMS on: 4/5/2022

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER: ML-27719B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: State 18-1A
9. API NUMBER: 43-007-300
10. FIELD AND POOL, OR WILDCAT: Gordon Creek

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: Omimex Petroleum, Inc.
3. ADDRESS OF OPERATOR: P.O. Box 80169 CITY Fort Worth STATE TX ZIP 76244 PHONE NUMBER: (817) 460-7777
4. LOCATION OF WELL
FOOTAGES AT SURFACE: NS 660 EW 2235 COUNTY: Carbon
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 18 14S 8E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Omimex Petroleum, Inc. is currently the operator, and record title owner, of State 18-1A. Price River Energy, LLC will be the new operator and record title owner. Omimex would like to convey/transfer all operating and record title to Price River Energy, LLC with an effective date of October 1, 2021. Price River Energy, LLC is bonded with the State but the commission has indicated there will be additional bonding needed. Omimex is willing to assign part of its statewide Blanket Bond to Price River to cover the Full-Cost Bonding needed.

NAME (PLEASE PRINT) Bradley Ross TITLE Vice President - Omimex Petroleum, Inc.

SIGNATURE [signature] DATE 4/5/22

(This space for State use only)

(5/2000)

(See Instructions on Reverse Side)

APPROVED
By rachelmedina at 3:18 pm, Apr 05, 2022

Rachel Medina <rachelmedina@utah.gov>

Fwd: FW: State 18-1A

1 message

Megan Crocker <mcrocker@utah.gov> Wed, Dec 29, 2021 at 12:13 PM
To: Rachel Medina <rachelmedina@utah.gov>

40,0000.

Thanks!

Megan
---------- Forwarded message ---------
From: **Bradley Ross** <Bradley_Ross@omimexgroup.com>
Date: Thu, Oct 21, 2021 at 9:18 AM
Subject: RE: FW: State 18-1A
To: Dustin Doucet <dustindoucet@utah.gov>
Cc: Megan Crocker <mcrocker@utah.gov>, Rachel Medina <rachelmedina@utah.gov>, Tom Muchard (thomas.muchard@gmail.com) <thomas.muchard@gmail.com>

I am fine with $40k if you guys are.

Thanks!

From: Dustin Doucet [mailto:dustindoucet@utah.gov]
Sent: Thursday, October 21, 2021 9:51 AM
To: Bradley Ross
Cc: Megan Crocker; Rachel Medina; Tom Muchard (thomas.muchard@gmail.com)
Subject: Re: FW: State 18-1A

Bradley,

Yes, sorry, my mistake on the mechanical plug. I think if we add a reasonable mob cost to your estimate($40k total) that we would be o.k. with that amount. Thanks.

Dustin

On Wed, Oct 20, 2021 at 7:53 PM Bradley Ross <Bradley_Ross@omimexgroup.com> wrote:

> Megan,
>
> This is from my boss who dealt with the P&A companies. Not sure if this help but this is what he sent me when I forwarded your email.

It has already approved by the State. They approved mechanical plug in the tubing before cutting the tubing. There is already a permanent casing/tubing packer. This plugging procedure is approved by UT.

He offered to jump on a call if that helps. He is the technical one, not me. Please let me know.

Thanks,

Brad

Omimex Resources, Inc.

From: Megan Crocker <mcrocker@utah.gov>
Sent: Wednesday, October 20, 2021 5:33:09 PM
To: Bradley Ross <Bradley_Ross@omimexgroup.com>; Dustin Doucet <dustindoucet@utah.gov>
Cc: Rachel Medina <rachelmedina@utah.gov>; Tom Muchard (thomas.muchard@gmail.com) <thomas.muchard@gmail.com>
Subject: Re: FW: State 18-1A

Brad,

If this is a turnkey bid, the estimate should still have mob costs. If they are not charging mob costs for Omimex since you had planned to plug it, we would need it added for the estimate in order to have an appropriate bond amount. There was no mechanical plug included, most of these wells would require a mechanical plug above the perforations so they do not "drink" cement. Please add these amounts and resend the total/bid.

Thank you,

Megan

On Mon, Oct 18, 2021 at 7:59 AM Bradley Ross <Bradley_Ross@omimexgroup.com> wrote:

> Thanks so much for this. I am working away but wanted to send in the quote we received for the P&A to get things rolling. Please find attached a quote for the p&a ($24,439) and reclamation ($7,000). I know I have sent this before but I don't believe everyone was on the email so just wanted to be thorough.
>
> Thanks,
>
> Brad
>
> **From:** Rachel Medina [mailto:rachelmedina@utah.gov]
> **Sent:** Wednesday, October 13, 2021 12:35 PM
> **To:** Megan Crocker

Cc: Tom Muchard (thomas.muchard@gmail.com); Bradley Ross
Subject: Re: FW: State 18-1A

All,

Attached is a list have documents required for an operator change. If, after you review this, you have questions, please let me know.

A SI/TA Full-Cost Bond is required on this well; please provide plugging details and an estimate to Megan and me for review. Once an amount is determined, we will notify you.

Thanks!

On Wed, Oct 13, 2021 at 10:04 AM Megan Crocker <mcrocker@utah.gov> wrote:

> Thank you Tom. I cc'd Rachel on this email to give you guidance on the Change of Operatorship.
>
> Bradley, would you please remind me what the cost is to plug the well?
>
> Thank you,
>
> Megan
>
> On Wed, Oct 13, 2021 at 9:58 AM <thomas.muchard@gmail.com> wrote:
>
> > Megan,
> >
> > The paperwork with Carbon County, UT and SITLA has been processed and submitted to same this week.
> >
> > Omimex has updated all production reporting requirements in the system thru 10/1/21
> >
> > Please give Brad (copied) and I guidance on Change of Operatorship process with UDOGM.
> >
> > Omimex will leave a portion of their Statewide Bond (for P&A) and convert that amount into Price River Energy's name.
> >
> > Thanks, Tom
> >
> > ---
> >
> > **From:** Megan Crocker <mcrocker@utah.gov>
> > **Sent:** Wednesday, October 13, 2021 9:45 AM
> > **To:** Tom Muchard (thomas.muchard@gmail.com) <thomas.muchard@gmail.com>
> > **Subject:** Re: FW: State 18-1A
> >
> > Any update?

Thank you,

Megan

On Fri, Oct 1, 2021 at 12:21 PM <thomas.muchard@gmail.com> wrote:

> Omimex sent me the Change of Operatorship papers yesterday.
>
> I believe they have also filed all of the back- paperwork associated with reporting responsibilities.
>
> Will update you on Monday.
>
> Thx - Tom
>
> ---
>
> **From:** Megan Crocker <mcrocker@utah.gov>
> **Sent:** Thursday, September 30, 2021 4:30 PM
> **To:** Tom Muchard (thomas.muchard@gmail.com) <thomas.muchard@gmail.com>
> **Subject:** Re: FW: State 18-1A
>
> Tom,
>
> Has anything been decided? What is the current status?
>
> Thank you,
>
> Megan
>
> On Thu, Sep 9, 2021 at 4:11 PM <thomas.muchard@gmail.com> wrote:
>
> > Megan,
> >
> > FYI, Below
> >
> > Thx, Tom
> >
> > ---
> >
> > **From:** Bradley Ross <Bradley_Ross@omimexgroup.com>
> > **Sent:** Wednesday, September 8, 2021 10:47 AM
> > **To:** 'Bart Kettle' <bartkettle@utah.gov>
> > **Cc:** thomas.muchard@gmail.com
> > **Subject:** State 18-1A
> >
> > Mr. Kettle,

Sorry to bother you again, but I just spoke with Tom Muchard with Price River (who is cc'd on this email) and they are interested in taking over operations of the State 18-1A well from Omimex. Would the State allow this if the proper bonding were put in place? Any feedback would be appreciated.

Regards,

Bradley Ross