

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

AMENDED

Form C-105  
Revised 1-1-89

WELL API NO.  
30-045-27905

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Mudge Gas Com "E"

8. Well No.

1

9. Pool name or Wildcat

Basin Fruitland Coal

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator

GREAT WESTERN DRILLING CO.

3. Address of Operator

2550 La Plata Hwy, Farmington, NM 87401

4. Well Location

Unit Letter L: 1830 Feet From The South Line and 810 Feet From The West Line

Section 23 Township 31N Range 11W NMPM San Juan County

10. Date Spudded 11-25-90 11. Date T.D. Reached 11-28-90 12. Date Compl. (Ready to Prod.) 4-13-91 13. Elevations (DF & RKB, RT, GR, etc.) 5744' GR 14. Elev. Casinghead

15. Total Depth 2580 16. Plug Back T.D. 2532 17. If Multiple Compl. How Many Zones? 1 18. Intervals Drilled By X Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 2154-2389' 20. Was Directional Survey Made yes, 500' intervals

21. Type Electric and Other Logs Run Spectral Density w/caliper, coal analysis, micro & gamma 22. Was Well Cored no

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	263	12 1/4"	278 cu. ft. class "B"	+ 2% CaCl
				ran 1" pump	59 cu. ft.
4 1/2"	10.5#	2572	7-7/8"	464 cu. ft. 65/35 posmix	+ 6% gel
				f/w 117 cu. ft. class "G"	neat

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	2496	

26. Perforation record (interval, size, and number)  
2154-56, 2214-20, 2348-53, 2357-59  
2351-82, 2388-89, 38' 2 SPF  
76 .48" holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
Frac w/397,320 gals fresh slick water +  
127,000# 100 mesh sand in 10 stages

28. PRODUCTION  
Date First Production 4-13-91 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) W.I. WO pipeline

Date of Test	Hours Tested	Coke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>4-13-91</u>	<u>4</u>	<u>3/4"</u>		<u>0</u>	<u>243</u>	<u>10</u>	<u>-0-</u>
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
<u>120</u>	<u>175</u>		<u>0</u>	<u>1460</u>	<u>60</u>	<u>-0-</u>	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Cullan Keller

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature D. E. Baxter Printed Name D. E. Baxter Title Area Supt. Date 4/30/91

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____ 754	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____ 2043	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
Pick up pump 148 pump 106	39 jts. cu. ft. cu. ft.	1" I.J. tubing, ran 1" down back side 4½" csg. tag old cement @ 1204'	65/35 posmix + 12% gel, pull and lay down 15 jts.				
			65/35 posmix + 12% gel, cement to surface, pull and lay down 1".				



GREAT WESTERN DRILLING COMPANY  
Post Office Box 1659 • Midland, Texas 79702 • 915/682-5241

**RECEIVED**  
MAY 02 1991  
OIL CON. DIV.  
DIST. 3

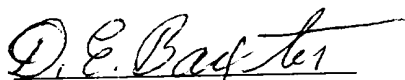
April 30, 1991

TABULATION OF DEVIATIONS OF:

MUDGE GAS COM "E" #1, Sec. 23, T-31N, R-11W, San Juan County, New Mexico

$\frac{1}{4}^{\circ}$  @ 260'  
 $\frac{3}{4}^{\circ}$  @ 500'  
 $1\frac{1}{4}^{\circ}$  @ 1000'  
 $1^{\circ}$  @ 1500'  
 $\frac{1}{2}^{\circ}$  @ 2500'

I hereby certify that the information given is true and complete to the best of my knowledge.

  
D. E. Baxter  
Superintendent

STATE OF NEW MEXICO

COUNTY OF SAN JUAN

The foregoing instrument was acknowledged before me this 30th day of  
April, 1991 by D. E. Baxter

  
Notary Public

Commission expires: 9/9/91

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator GREAT WESTERN DRILLING CO.	Well API No. 30-045-27905
Address 2550 La Plata Hwy, Farmington, NM 87401	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name MUDGE GAS COM "E"	Well No. 1	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. FEE
Location Unit Letter <u>L</u> : <u>1830</u> Feet From The <u>South</u> Line and <u>810</u> Feet From The <u>West</u> Line Section <u>23</u> Township <u>31N</u> Range <u>11W</u> , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Co.	P. O. Box 4289, Farmington, NM 87499	
If well produces oil or liquids, give location of tanks.	Unit <u>L</u> Sec. <u>23</u> Twp. <u>31N</u> Rge. <u>11W</u>	Is gas actually connected? <u>No</u> When? <u>WO El Paso</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		<u>X</u>	<u>X</u>					
Date Spudded 11-25-90	Date Compl. Ready to Prod. <del>11-28-90</del> <u>4-13-91</u>		Total Depth 2580		P.B.T.D. 2532			
Elevations (DF, RKB, RT, GR, etc.) 5744 GR	Name of Producing Formation Fruitland Coal		Top Oil/Gas Pay 2154-2389		Tubing Depth 2496			
Perforations 2154-56, 2214-20, 2348-53, 2357-59, 2351-82, 2388-89					Depth Casing Shoe None			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8-5/8"	263	278 cu. ft. class "B"
7-7/8"	4 1/2"	2512	464 cu. ft. 65/35 poz
	2-3/8"	2496	117 cu. ft. class "G"

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth under full 24 hours flow)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	RECEIVED AUG 20 1991 OIL CON. DIV. DIST. 3
Length of Test	Tubing Pressure	Casing Pressure	
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	

GAS WELL

Actual Prod. Test - MCF/D 1460	Length of Test 24 hr.	Bbls. Condensate/MMCF 0	Gravity of Condensate 0
Testing Method (pilot, back pr.) Flowing	Tubing Pressure (Shut-in) 120	Casing Pressure (Shut-in) 175	Choke Size 3/4"

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Roberta Matthews Clerk  
Printed Name Roberta Matthews Title  
Date 8-9-91 Telephone No. 327-0494

OIL CONSERVATION DIVISION

Date Approved AUG 20 1991  
By James D. Shum  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.