

**WELL CASING SUMMARY**  
ANASAZI/SCHIAUBAUEH AREA  
EDDY & LEA COUNTIES, NEW MEXICO

LEAS WEST - YATES/SEVEN RIVERS POOL													
API #	OPERATOR	LEASE	WELL	TWN	RGE	SEC	LOCATION	CASING PROGRAM			SPUD DATE	SALT PROT. STRING	COMPL. RPT.
30025322170000	STEVENS & TULL	FEDERAL 'A'	5	205	33E	9	330 N 690 E	8 5/8 @ 1320'	5 1/2 @ 3383'		04-01-84	NO	YES
30025318960000	STEVENS & TULL	FEDERAL 'A'	3	205	33E	9	330 N 2310 W	8 5/8 @ 1300'	5 1/2 @ 3310'		06-28-83	NO	YES
30025317180000	STEVENS & TULL	FEDERAL 'A'	2	205	33E	9	330 N 2110 E	8 5/8 @ 1300'	5 1/2 @ 3311'		10-07-82	NO	YES
30025310350000	STEVENS & TULL	FEDERAL 'A'	1	205	33E	9	2310 E 6 5/8 @ 1243'	5 1/2 @ 3445'			11-09-80	NO	YES
30025301160000	SINCLAIR O & G	FED-LEA 6015 ANC	2	205	33E	9	330 S 1980 W	9 5/8 @ 1285'	7 @ 2950'	5' 28 1/2 - 3350'	07-30-83	YES	NO*
30025288610000	GROVER OIL	FEDERAL	1	205	33E	9	1980 S 1650 W	8 5/8 @ 1285'	4 1/2 @ 3398'		02-16-87	NO	YES
30025302360000	GROVER OIL	FEDERAL	3	205	33E	9	1980 S 2310 W	8 5/8 @ 1218'	4 1/2 @ 3420'		02-26-88	NO	YES
30025299720000	GROVER OIL	FEDERAL	2	205	33E	9	1980 S 660 W	8 5/8 @ 1256'	4 1/2 @ 3400'		11-12-87	NO	YES
30025299710000	GROVER OIL	BARBER	2	205	33E	9	1980 N 1650 W	8 5/8 @ 1261'	4 1/2 @ 3400'		04-28-87	NO	YES
30025290740000	CITIES SERVICES OIL	STATE BF	1	205	33E	16	1980 N 660 W	9 5/8 @ 1290'	7 @ 2970'	5' 2925 - 3275'	05-03-80	YES	YES
30025017450001	HENDON, WILLIAM E., JR.	ARCO STATE	1	205	33E	16	1980 N 1980 E	9 5/8 @ 1293'	7 @ 2955'	5' 2901 - 3260'	12-09-81	YES	YES
30025017410000	CITIES SERVICE OIL	ARCO STATE	2	205	33E	16	1980 S 660 W	9 5/8 @ 1245'	7 @ 2955'	5' 2940 - 3225'	12-21-80	YES	YES
30025017420000	HANSON OIL	ATLANTIC-STATE	2	205	33E	16	1980 S 1980 W	9 5/8 @ 1200'	7 @ 2955'	4 1/2 @ 3280'	02-26-80	NO	YES
30025017440000	SINCLAIR O & G	STATE-LEA '866'	2	205	33E	16	660 N 1980 E	9 5/8 @ 1308'	7 @ 2950'		04-20-80	YES	YES
30025017460000	SINCLAIR O & G	STATE-LEA 6018	2	205	33E	16	660 N 660 W	9 5/8 @ 1350'	7 @ 2975'	2 7/8 @ 3297'	04-29-85	NO	YES
30025208420001	READ & STEVENS, INC.	SNYDER	1	205	33E	16	2310 S 2310 E	NR	2 7/8 @ 3090'		11-13-89	NO	NO*
30025213430000	SHORELINE EXPL.	LEA-STATE '866'	2	205	33E	16	1980 S 1980 W	13 3/8 @ 1196'	5 1/2 @ 3325'	5 1/2 @ 13719'	04-00-83	YES	YES
30025318570000	MITCHELL ENERGY CORP.	SCHIAUBAUEH '4'	1	205	33E	4	680 S 1980 E	13 3/8 @ 2950'	8 5/8 @ 5362'				
HALFWAY - YATES/SEVEN RIVERS POOL													
API #	OPERATOR	LEASE	WELL	TWN	RGE	SEC	LOCATION	CASING PROGRAM			SPUD DATE	SALT PROT. STRING	COMPL. RPT.
30025009330000	PRICE, BERTIE NOLAND	BURNER-FEDERAL	3K	205	32E	9	280 S 1980 E	10 3/4 @ 450'	5 1/2 @ 2822'	7 @ 2599'	12-18-82	NO	YES
30025009330000	PRICE, BERTIE NOLAND	BURNER-FEDERAL	3	205	32E	9	330 S 1980 E	20 @ 396'	8 5/8 @ 867'	7 @ 2655'	08-31-81	NO	YES
30025009340000	PRICE, BERTIE NOLAND	BURNER-LEUBAL	4	205	32E	9	330 S 2310 W	10 @ 420'	8 5/8 @ 958'	7 @ 2655'	07-17-81	NO	YES
30025129420000	BASS, PENNY R	LITTLE EDDY UNIT	16	205	32E	16	2310 N 2310 W	8 5/8 @ 880'	7 @ 2373'	4 1/2 @ 2516'	12-12-80	YES	YES
30025009460000	SECO PROD.	PHILLIPS-STATE	1	205	32E	16	1980 N 2310 E	10 3/4 @ 1150'	7 @ 2416'	4 1/2 @ 2714'	06-06-80	YES	YES
30025009330000	SAKIN, DAVID C.	PHILLIPS-STATE	4	205	32E	16	2210 S 2310 E	7 @ 2490'			04-10-81	NO	YES
30025009330000	PRICE, BERTIE NOLAND	STATE	1	205	32E	16	2310 N 1980 W	10 3/4 @ 450'	8 1/3 @ 916'	7 @ 2612'	01-07-80	NO	YES
30025009400000	PRICE, BERTIE NOLAND	STATE	2	205	32E	16	2310 N 690 W	10 @ 454'	8 5/8 @ 840'	7 @ 2626'	02-02-80	NO	YES
30025009410000	PRICE, BERTIE NOLAND	STATE	3	205	32E	16	990 N 2310 W	8 5/8 @ 830'	7 @ 2547'		02-09-81	NO	YES
30025009470000	BEARING SER & SUPPLY	STOUT-STATE	1	205	32E	16	660 N 2310 E	9 5/8 @ 1152'	7 @ 2410'	4 1/2 @ 2563'	05-23-80	YES	YES
30025009420000	ARGO OIL CORPORATION	TEXAS-STATE	1	205	32E	16	1980 S 660 W	10 @ 454'	8 1/4 @ 859'	7 @ 2610'	10-16-89	NO	YES
30025009330000	SAKIN, DAVID C.	TEXAS-STATE B	4	205	32E	16	2210 S 2310 E	7 @ 2490'			04-16-81	NO	NO*
30025009440000	PRICE, BERTIE NOLAND	TEXAS-STATE B	3	205	32E	16	2310 S 2310 E	8 5/8 @ 839'	7 @ 2477'	5 1/2 @ 2494'	12-31-80	NO	YES
30025009480000	HUSKY OIL COMPANY	TEXAS-STATE B	1	205	32E	16	990 N 2310 E	10 @ 425'	8 @ 895'	7 @ 2367'	08-31-80	NO	YES
30025009500000	HUSKY OIL COMPANY	TEXAS-STATE B	1	205	32E	16	2310 N 2310 E	10 @ 40'	8 1/4 @ 806'		05-30-80	NO	NO*
30025009510000	NORTHSHORE CORP.	TEXAS-STATE B	1	205	32E	16	2310 N 690 E	10 @ 425'	8 1/4 @ 898'		10-07-80	NO	NO*
SALT LAKE - YATES/SEVEN RIVERS POOL													
API #	OPERATOR	LEASE	WELL	TWN	RGE	SEC	LOCATION	CASING PROGRAM			SPUD DATE	SALT PROT. STRING	COMPL. RPT.
30025017130001	LLANO INC.	BROOKS-FEDERAL 7	6	205	33E	7	860 S 1926 W	8 5/8 @ 1160'	7 @ 2808'	8 5/8 @ 1166'	07-12-83	?	NO*
30025017060000	CONTINENTAL OIL	BROOKS A-7	1	205	33E	7	660 S 680 W	13 3/8 @ 274'	10 @ 711'	5 1/2 @ 2933'	09-06-81	NO	YES
30025017090000	CONTINENTAL OIL	BROOKS A-7	5	205	33E	7	1980 N 1980 W	10 @ 651'	5 1/2 @ 2710'		03-29-85	NO	YES
30025017100000	CONTINENTAL OIL	BROOKS A-7	2	205	33E	7	660 S 1980 W	10 @ 651'	5 1/2 @ 2710'		11-29-81	NO	YES
30025017110000	CONTINENTAL OIL	BROOKS A-7	3	205	33E	7	660 S 1980 E	10 3/4 @ 605'	8 5/8 @ 1162'	5 1/2 @ 2887'	09-13-82	NO	YES
30025017120000	LLANO INC.	LITTLE EDDY BROOKS	4	205	33E	7	1980 S 1980 W	10 3/4 @ 661'	8 5/8 @ 1130'	5 1/2 @ 2907'	07-06-82	NO	NO*
30025017480000	BAY PET CO.	WELCH-STATE	1	205	33E	18	1980 S 1980 W	10 3/4 @ 767'	8 1/2 @ 1135'	5 1/2 @ 3045'	08-16-85	NO	YES
30025017480000	CONTINENTAL OIL	SMITH 18	1	205	33E	18	1980 E 1980 E	8 5/8 @ 1115'	5 1/2 @ 2906'		02-02-82	NO	YES
30025017520000	WELSH LEONARD	STATE	2	205	33E	18	1980 N 660 W	10 @ 590'	8 1/2 @ 1065'	7 @ 2880'	08-05-81	NO	NO*
30025017530000	BAY PET CO.	STATE	3	205	33E	18	660 N 1980 W	10 @ 610'	8 1/4 @ 1114'	7 @ 3031'	09-07-81	NO	NO*
30025032800000	MONTGOMERY RANDALL	BASS-STATE	1	205	33E	18	660 N 2080 W	9 5/8 @ 1130'	7 @ 2880'		09-07-83	NO	YES
30025032800000	MONTGOMERY RANDALL	BASS-STATE	2	205	33E	18	1700 N 1650 W	9 5/8 @ 1095'	7 @ 2723'		01-02-84	NO	YES
30025032800000	MONTGOMERY RANDALL	BASS-STATE	3	205	33E	18	330 N 890 W	9 5/8 @ 1118'	7 @ 2752'		03-27-85	NO	YES
300252512930000	MONROE, JERRY RANDALL	BROOKS-FEDERAL	7	205	33E	18	660 N 2010 E	10 3/4 @ 1200'	7 @ 2707'		11-18-75	NO	YES
300252512930000	LLANO INC.	BROOKS-FEDERAL	7	205	33E	18	660 N 2310 W	10 3/4 @ 1200'	5 1/2 @ 2940'		08-11-82	NO	YES
300252512930000	MINERALS INC.	BASS-STATE	5	205	33E	18	330 N 2310 W	8 5/8 @ 1102'	5 1/2 @ 2940'		01-30-83	NO	YES
300252512930000	MINERALS INC.	BASS-STATE	6	205	33E	18	330 N 1650 W	8 5/8 @ 1114'	5 1/2 @ 3022'		02-17-87	NO	YES
30025121280000	BAY PET CO.	WELCH STATE	4	205	33E	18	330 N 1980 W	7 @ 2953'					

BLM-CARLSBAD

4/6

Form 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

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

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 89889

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal "9" - 5

9. API Well No.

30-025-32217

10. Field and Pool, or Exploratory Area

West Teas Y-SR

11. County or Parish, State

Lea County, NM

## SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Stevens &amp; Tull, Inc.

3. Address and Telephone No.

P.O. Box 11005, Midland, Texas 79702 (915) 699-1410

4. Location of Well (Range, Sec., T., R., M., or Survey Description)

330' FNL & 990' FEL  
Sec. 9, T-20-S, R-33-E

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☐
- Abandonment
- 
- ☐
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☐
- Other
- 
- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- Dispose Water

Production Casing

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

4/4/94 - Install H<sub>2</sub>S safety equipment as per APD.

4/7/94 - TD well at 3390' - Run 87 jts. - 3383' of 5 1/2" - 15.50# J-55 casing.

4/8/94 - Cement casing with 300 sx PSL "C" + 5% salt + 1/4#/sx Celloseal - Lead - and tail with 385 sx 50/50 Poz A "C" + 5% salt + 1/2% CF-2. Circulated to surface 70 sx of cement.

Attention:  
Mark Stephenson

ACCEPTED FOR RECORD

APR 25 1994

CARLSBAD, NM 88502

APR 19 11 12 AM '94

RECEIVED

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

Signature: [Signature] Title: Engineer

Date: 4/15/94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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.

\*See instruction on Reverse Side

Received Time Apr. 25, 10:37AM

TOTAL P.01

**BLM-CARLSBAD**Form 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals**SUBMIT IN TRIPLICATE**FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM 89889 ✓

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal "9" - 5 ✓

9. API Well No.

30-025-32217 ✓

10. Field and Pool, or Exploratory Area

West Teas y-SR

11. County or Parish, State

Lea, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Stevens &amp; Tull, Inc.

3. Address and Telephone No.

P.O. Box 11005, Midland, TX 79702 (915)699-1410

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330' FWL & 990' FEL ✓  
Sec. 9, T-20-S, R-33-E

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other

Surface Casing

☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log forms.)

13. 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.)

4/1/94 - Spud well at 9:00 p.m.

4/3/94 - Drill a 12 1/4" hole to 1325'. Run 35 jts. of 8 5/8" csg., 24#, J55 to 1320'. Cement with 525 sx Pacesetter Lite "C" + 1/4#/sx Celloseal + 2% CaCl<sub>2</sub>, tail with 155 sx class "C" + 2% CaCl<sub>2</sub>. Circulated 250 sx of cement.

4/4/94 - WOC - 12 hours w/pressure on csg. + 12 hours before drilling out - Total 24 hours.

OPTIONAL FORM 99 (7-90)

**FAX TRANSMITTAL**

# of Pages - TWO

To Mark Stephenson

From Shannon Shaw

Dept./Agency

MEC

Phone

(505) 234-5272

Fax (713) 377-5818

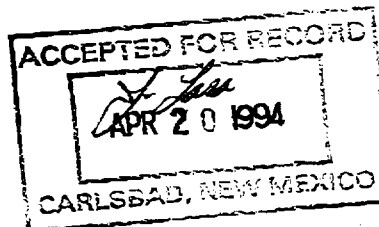
Fax #

BLM

NSN 7540-01-317-7388

5099-101

GENERAL SERVICES ADMINISTRATION



RECEIVED  
APR 5 10 52 AM '94  
CARLSBAD, NEW MEXICO

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

Signed

*Shannon Shaw*

Title

Engineer

Date

4/4/94

Approved by

Conditions of approval, if any:

Title

Date

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.

\*See Instruction on Reverse Side

(This space for Federal or State office use)

Approved by

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\*See Instruction on Reverse Side

TOTAL P. 01

BLM - CARLSBAD

STATE\*

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on  
reverse side)

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 89889	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTED OR TRIBE NAME	
2. NAME OF OPERATOR Stevens & Tull, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 11005, Midland, Texas 79702 915-699-1410		8. FARM OR LEASE NAME, WELL NO. Federal "9" #5	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330 FNL & 990 FEL At proposed prod. zone 330 FNL & 990 FEL		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles west of Hobbs		10. FIELD AND POOL, OR WILDCAT West Teas Y-SR	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 9, T-20-S, R-33-E	
16. NO. OF ACRES IN LEASE 400		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1650		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3555 GR		22. APPROX. DATE WORK WILL START* September 1, 1993	
23. <b>Controlled Water</b> PROPOSED CASING AND CEMENTING PROGRAM R-111-P Potash			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4	8 5/8-J55	24#	1300
7 7/8	5 1/2-J55	17	3500
		QUANTITY OF CEMENT	
		690sx - Circulated WITNESS	
		590sx - Circulated WITNESS	

- 1) Drill 12 1/4" hole to approximately 1300' or to hard formation with fresh water and mud.
- 2) Set 8 5/8" casing with 13 centralizers spaced every 100'. Cement CSS with 540 sx class "C" + 4% gel plus 150sx class "C" + 2% CaCl<sub>2</sub> - circulate cement
- 3) Waiting on cement 12 hours with pressure on casing - drill out after 24 hours, test BOP's to 1000# for 30 min.
- 4) Drill 7 7/8" hole with brine to +/- 3500'.
- 5) Set 5 1/2" casing with 15 centralizers. Cement with 300sx Pacesetter Lite "C" + 5% salt + 1/4# Celloflake + 290sx 50/50 POZ "C" + 5% salt, .5% CF-2 - circulate cement.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

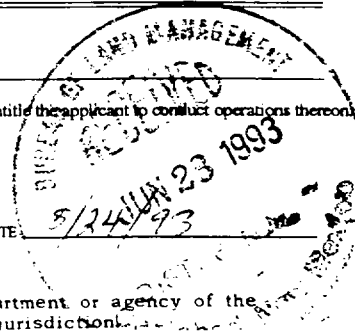
24. SIGNED [Signature] TITLE Engineer DATE 6/24/93  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval 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.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Acting SD DATE 5/24/93

\*See Instructions On Reverse Side

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Full Well Report for MITCHELL ENERGY CORP.  
Copyright 1993 by Petroleum Information, Corp.  
PIT411 \*\*\*\*\* NOV 09, 1993 13:56:04 \*\*\*\*\* WELL 1

API Nbr: 30025201180000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: SINCLAIR O&G Oper Code: 079705  
Lease: FED-LEA 6015 ARC Well: 2 Lease Code:  
Field: TEAS W Field Code: 087382  
SURVEY: District: 1

T020S R033E SEC9 Spot:  
FOOTAGES: 330FS 1980FW CNGRS T-R-SEC /FULL SEC

Oper Elev: 3532GR RIG HT: Log Td:

Other Depths: DRLR 3350 WSTD PBDT OLDTD

Status: OIL Spud Date: 07 30 1963  
Hole Dir: VERTICAL Comp Date: 08 16 1963  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO  
Prod Form: 453YTES

Latitude: 32.58100 Source: USGS NAD27 Longitude: 103.66986

CASING:

9 5/8 @ 1285 W/ 450SX  
7 @ 2950 W/ 600SX

LINER: 5 " 2875- 3350 W/ 90 SX

INITIAL POTENTIAL TESTS:

IPP 58B PD 2BW CUT % /64CK 012HRS  
453YTES PERF / 3180-3196  
PERF 3180-3185 A 3190-3196 A 3180-3185 C3190-3196 C  
CLAG 3180-3196 500 GALS A FBRKP:  
FRAC 3180-3196 10000 GALS O 10000 LBS SAND FBRKP:  
GTY: 30.0 GOR: COND: B/MMCF  
FIELD: TEAS WEST YATES PROD ZN CODE: OPER KEY: 1

FORMATION TOPS: (Source,Names,Depths,Shows)

LOG

454ANDR 1224 453YTES 2977

FORMATION BASES: (Base & Depth)

454SALT 2800

CORE DESCRIPTIONS:

FORMATION TESTS:

PRODUCTION TESTS:

LOG SURVEYS:

EL  
GR

MF  
CA

OTHER WELL INFO:

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1. TYPE OF WELL: **DRILL** ☒ **DEEPEN** ☐

2. NAME OF OPERATOR: **Stevens & Tull, Inc.**

3. ADDRESS AND TELEPHONE NO.: **P.O. Box 11005, Midland, Texas 79702**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.):  
At surface: **2310' FWL and 330' FNL**  
At proposed prod. zone: **2310' FWL and 330' FNL**

5. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: **25 miles west of Hobbs**

6. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any): **330'**

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: **1320'**

8. ELEVATIONS (Show whether DF, RT, GR, etc.): **3557 GR**

9. NO. OF ACRES IN LEASE: **400**

10. PROPOSED DEPTH: **3500**

11. NO. OF ACRES ASSIGNED TO THIS WELL: **40**

12. ROTARY OR CABLE TOOLS: **Rotary**

13. APPROX. DATE WORK WILL START: **June 1, 1993**

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8 - J55	24 & 32	1300	640 sx - Circulate / WITNESS
7 7/8	5 1/2 - J55	17	3500	575 sx - Circulate / WITNESS

1. Drill 12 1/4" hole to approximately 1300' or to hard formation with fresh water and mud.
2. Set 8 5/8" casing with 13 centralizers spaced every 100'. Cement casing with 540 sx Class "C" + 4% gel plus 100 sx Class "C" + 2% CaCl<sub>2</sub> - circulate cement.
3. Waiting on cement - 12 hours - Test BOP to 1000# for 30 minutes.
4. Drill 7 7/8" hole with brine to 3500'.
5. Set 5 1/2" casing with 15 centralizers. Cement with 290 sx Pacesetter Lite "C" + 5% salt + 1/4 celloflake plus 285 sx 50/50 POZ "C" + 5% salt .5% CF-2 - circulate cement.

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS**

**ATTACHED and to NMOC's R-117-P, as applicable.**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED: [Signature] TITLE: Engineer DATE: 11/9/92

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: [Signature] TITLE: Assistant State Engineer DATE: 2/3/93

**\*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 or to any matter within the jurisdiction of any such department or agency.

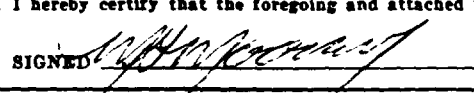
(October 1990)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

LEASE REGISTRATION AND RECORDS  
NM 89889

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RENVR. <input type="checkbox"/> Other <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Stevens & Tull, Inc.		8. FARM OR LEASE NAME, WELL NO. Federal "9" #3	
3. ADDRESS AND TELEPHONE NO. P.O. Box 11005, Midland, Texas 79702 (915)699-1410		9. APIWELL NO. 30-025-31896	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2310' FWL and 330' FNL At top prod. interval reported below At total depth		10. FIELD AND POOL, OR WILDCAT Teas, West	
14. PERMIT NO.		13. STATE NM	
DATE ISSUED 2/3/93		12. COUNTY OR PARISH Lea	
15. DATE SPUDDED 5/28/93	16. DATE T.D. REACHED 6/3/93	17. DATE COMPL. (Ready to prod.) 6/11/93	18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 3557 GR
19. ELEV. CASINGHEAD 3557 GR	20. TOTAL DEPTH, MD & TVD 3320		
21. PLUG, BACK T.D., MD & TVD 3299	22. IF MULTIPLE COMPL., HOW MANY* N/A	23. INTERVALS DRILLED BY →	24. ROTARY TOOLS X
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3161' - 3252' (Yates sand)			26. WAS DIRECTIONAL SURVEY MADE Yes
27. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron / Density and Dual Laterolog			28. WAS WELL CORDED No
29. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24	1300'	12 1/4
5 1/2"	17	3320'	7 7/8
30. TOP OF CEMENT, CEMENTING RECORD			
Circulated - 85 sx			
Circulated - 17 sx			
AMOUNT PULLED none			
none			
31. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
32. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8	3224	none	
33. PERFORATION RECORD (Interval, size and number)			
3161 - 3252 (22 holes)			
34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3161 - 3252		2000 gal 20% HCL / 20% ME	
		frac w/ 40,000 gals +	
		87,000# 20/40 sand	
35. PRODUCTION			
DATE FIRST PRODUCTION 6/11/93	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump - 2 x 1 1/2 x 16' RWBC		WELL STATUS (Producing or shut-in) producing
DATE OF TEST 6/19/93	HOURS TESTED 24	CHOKE SIZE N/A	PROD'N. FOR TEST PERIOD →
OIL—BBL. 86	GAS—MCF. 35	WATER—BBL. 22	GAS-OIL RATIO 407
FLOW, TUBING PRESS. N/A	CASING PRESSURE 30#	CALCULATED 24-HOUR RATE →	OIL GRAVITY-API (COB) 39.3
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - Saber Gas, Inc.			
37. LIST OF ATTACHMENTS Deviation Survey Certification			
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED 		TITLE Engineer	
DATE 6/21/93		CARLSBAD, NEW MEXICO	

\*(See Instructions and Spaces for Additional Data 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.

NES: (Show all important zones of porosity and contents thereof; cored intervals; and all depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and

38. GEOLOGIC MARKERS

	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
1	3180	Sand, oil stain (mud log)	Tansil Yates	2970	
)	3260	Sand, oil stain (mud log)		3161	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL. E\*

(See other In-  
structions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-013  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>			
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. DESIG. <input type="checkbox"/>	Other <input type="checkbox"/>	*AMENDED
2. NAME OF OPERATOR Grover Oil Company								
3. ADDRESS OF OPERATOR P O Box 3666								
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL & 1650' FWL At top prod. interval reported below At total depth								
14. PERMIT NO. DATE ISSUED Carlsbad, New Mexico FEB 26 1988								
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. DEPTH OF CASING HEAD (T.O.P. RKB, RT, GB, ETC.)*		19. ELEV. CASING HEAD
2-16-87		2-22-87		3-25-87		3542.9' GR		3542.9'
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
3400'		3354'				X		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Yates 3154-81'								25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC/CNL, GR w/ Caliper, Dual IDL/LL								27. WAS WELL CORRO No
28. CASING RECORD (Report all strings set in well)								
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD
8 5/8"		32#		1265'		12 1/4"		500 sx Lite & 250 sx C1 C
4 1/2"		9.5#		3398'		7 7/8"		620 sx Lite & 200 sx C1 C
29. LINER RECORD								
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)
30. TUBING RECORD								
SIZE		DEPTH SET (MD)		PACKER SET (MD)				
2 3/8"		3225'						
31. PERFORATION RECORD (Interval, size and number)								
3154-81' 3263-71' 3292-3305'								
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.								
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED				
3154-81				500 gals 15% NEFE				
3263-71				250 gals 15% NEFE				
3292-3305				250 gals 15% NEFE				
* Frac w/18,900 gals yellowed oil, 2.95 tons								
33.* PRODUCTION 40,000# 20/40-80 & 33,000# 10/20-80								
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
3-25-87		Pumping - 1 1/4" Rod					Producing	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
2-9-88		24		-		72 * 80		TSTM 0 -
3-27-87		20		20		72 * 80		TSTM 0 36.0 @ 60°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel								
35. LIST OF ATTACHMENTS								
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records								
SIGNED		Carol Robbins			TITLE		Secretary	
							DATE 4-7-87	

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

38. 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):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
DST #1 Yates	3021	3190	30 minute PF. Fair increase to strong blow after 5 minutes. 60 minute 2nd F, gas to surface in 57 minutes. Recovered 798' oil & gas cut mud w/tr water. Sampler recovery: 225 psi, 1900 cc oil, 36 GR, 200 cc wtr, CL 163 K, 50 cc mud.	Yates Seven Rivers	3040 3290	+513 subse +263 subse
IHP	1559	1662	SI Times: 1st 60 minutes 2nd 7 hours  BHT 86°			
IFP	14	85				
FFP	216	256				
ISIP	1363	1437				
IFP2	230	313				
FFP2	374	455				
FSIP	1391	1451				
FHP	1559	1662				

RECORDED  
MAR 14 1958  
OCD  
HOBBS

(July 1989)  
(formerly 9-331C)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

State of New Mexico  
to be signed  
between  
the well  
owner  
and  
Bureau  
of Land  
Management  
Consult  
to  
Bureau  
of Land  
Management  
NO60-3160-2

reverse side)

G-17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Stevens & Tull, Inc.

3a. Area Code & Phone No.

915-699-1410

3. ADDRESS OF OPERATOR

P.O. Box 11005, Midland, Texas 79702

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

At surface 990' FNL & 2310' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

25 Miles West of Hobbs

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

400

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.

1320'

19. PROPOSED DEPTH

3500

20. ROTARY OR CABLE TOOLS

Rotary

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

3557 GR 3550'

Source: Geothermal Water Basin

22. APPROX. DATE WORK WILL START\*

August 1, 1992

23.

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY	CEMENT
12 1/4	8 5/8	24 & 32	J - 55	ST&C	1300	650 sx-circ.	
7 7/8	5 1/2	17	J - 55	LT&C	3500	500 sx-circ.	

- 1) Drill 12 1/4" hole to approximately 1300' or to hard formation with fresh water and mud.
- 2) Set 8 5/8" casing with 13 centralizers spaced every 100'. Cement casing with 450 sx Howco Lite with 2% Cac12 plus 200 sx Class "C" with 2% Cac12.
- 3) Waiting on Cement - 12 hours - Test BOP to 1000# for 30 min.
- 4) Drill 7 7/8" hole with Brine to 3500'.
- 5) Set 5 1/2" casing with 15 centralizers. Cement with 300 sx Howco Lite cement plus 200 sx Class "C" with 0.6% Halad 9 plus 2% Cac12.

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

24.

SIGNED

*Michael H. Hargrave*

TITLE Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL IF ANY:

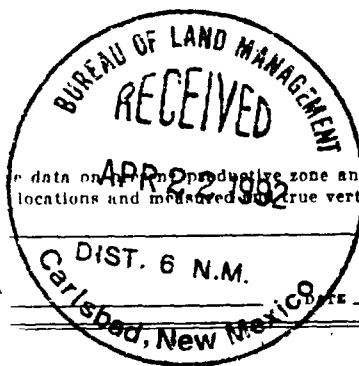
GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

\*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 a false statement.





**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE

OMB NO. 1004-0137  
 Expires: December 31, 1991

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM57280	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RENVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Stevens & Tull, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 11005, Midland, TX 79702		8. FARM OR LEASE NAME, WELL NO. Federal "9" #2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990' FNL & 2110' FEL At top prod. interval reported below At total depth		9. API WELL NO. 30-02531718	
14. PERMIT NO.		13. STATE NM	
DATE ISSUED 8/21/92		12. COUNTY OR PARISH Lea	
15. DATE SPUDDED 10/7/92	16. DATE T.D. REACHED 10/14/92	17. DATE COMPL. (Ready to prod.) 10/21/92	18. ELEVATION (OF, RKB, RT, GR, ETC.)* 3550' GR
19. ELEV. CASINGHEAD 3552	20. TOTAL DEPTH, MD & TVD 3340'		
21. PLUG, BACK T.D., MD & TVD 3266'	22. IF MULTIPLE COMPL., HOW MANY* n/a	23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS	24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3108 - 3190' (Yates Sand)
25. WAS DIRECTIONAL SURVEY MADE Yes			26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron/Density & Dual Laterolog
27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8	23	1300	12 1/4
5 1/2	17	3311	7 7/8
TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
Circulated - 68 sx		none	
Circulated - 8 sx		none	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SCREEN (MD)
2 3/8		3211	
TUBING RECORD		PACKER SET (MD)	
none			
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
3108 - 3190	1000 gal. 7 1/2% HCL		
31. PERFORATION RECORD (Interval, size and number)			
3108 - 3190 (26 holes) 5 1992			
CARLSBAD, NEW MEXICO			
32. PRODUCTION			
DATE FIRST PRODUCTION 10/21/92	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump - 2 x 1 1/2 x 16' RWBC		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 10/22/92	HOURS TESTED 24	CHOKES SIZE N/A	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS. N/A	CASING PRESSURE 30	CALCULATED 24-HOUR RATE 89	OIL—BBL. 89 GAS—MCF. 29 WATER—BBL. 10 OIL GRAVITY-API (CORR.) 32.6
33. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - Saber Gas, Inc.			TEST WITNESSED BY Mike Mooney
34. LIST OF ATTACHMENTS Deviation Survey Certification			
35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <i>[Signature]</i>		TITLE Engineer	DATE 10/28/92

\* (See Instructions and Spaces for Additional Data 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.

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Yates (1)	3052	3090	Sand, oil Stain	Tansil Yates Seven Rivers	2896	
Yates (2)	3102	3138	Sand, oil Stain		2052	
Yates (3)	3162	3192	Sand, oil Stain		3280	

38.

GEOLOGIC MARKERS



## Memorandum

To: District Manager  
Through: Chief, Branch of Fluids  
From: Area Manager

Subject: Oil and gas lease NM-51844, Secretary's Potash Area

Transmitted herewith is request to drill the Federal No. 3 in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 9, T. 20 S., R. 33 E., by Grover-McKinney Oil Company, to a depth of 3400 feet to test the Yates-Seven Rivers Formation.

Drillsite is not considered to be in a politically sensitive area.  
Drillsite is within Secretary's Potash Area and not within the R-111-A area. Drilling and casing program is considered adequate.

Request is in order for approval.

Attachment

*Richard L. Hume*

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

*D-9*

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

**6. LEASE DOCUMENT NO.**  
NM-51844

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
Federal

**9. WELL NO.**  
3

**10. FIELD AND POOL, OR WILDCAT**  
West Teas Yates SR

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA**  
Section 9, T20S, R33E

**12. COUNTY OR PARISH**  
Lea

**13. STATE**  
New Mexico

**1a. TYPE OF WORK**  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

**b. TYPE OF WELL**  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

**2. NAME OF OPERATOR**  
Grover-McKinney Oil Company

**3. ADDRESS OF OPERATOR**  
P O Box 3666, Midland TX 79702

**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\***  
At surface  
  
At proposed prod. zone 1980' FSL & 2310' FEL *T-1 W 5 E*

**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\***  
Approximately equal distance between Carlsbad and Hobbs

<b>15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)</b> 1980'	<b>16. NO. OF ACRES IN LEASE</b> 160	<b>17. NO. OF ACRES ASSIGNED TO THIS WELL</b> 40
<b>18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</b> 1359'	<b>19. PROPOSED DEPTH</b> 3400'	<b>20. ROTARY OR CABLE TOOLS</b> Rotary
<b>21. ELEVATIONS (Show whether DF, RT, GR, etc.)</b> 3540.5' GR		<b>22. APPROX. DATE WORK WILL START*</b>

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# J-55	1250' WITNESS	See Exhibit "H" <b>CIRCULATE</b>
7 7/8"	4 1/2"	11.6# J-55	3400' WITNESS	<b>CIRCULATE</b>

Mud Program See Exhibit G

BOP Program See Exhibit E

Gas Not Dedicated

RECEIVED

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:** [Signature] **TITLE:** Operations Supervisor **DATE:** January 18, 1988  
(This space for Federal or State office use)

**PERMIT NO.** \_\_\_\_\_ **APPROVAL DATE** \_\_\_\_\_

**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 matter within its jurisdiction.

(formerly 9-330)

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

LEASE DESIGNATION AND SERIAL NO.

NM-51844 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

APR 7 11 08 AM '88

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

1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other ☐

2. NAME OF OPERATOR  
Grover-McKinney Oil Company

3. ADDRESS OF OPERATOR  
P O Box 3666, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface  
At top prod. interval reported below 1980' FSL & 2310' FEL  
At total depth

5. UNIT AGREEMENT NAME  
Federal ✓

6. FARM OR LEASE NAME  
3 ✓

7. WELL NO.  
10. FIELD AND POOL, OR WILDCAT  
West Teas SR (Yates)

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA  
Section 9, T20S, R33E

12. COUNTY OR PARISH  
Lea

13. STATE  
New Mexico

14. PERMIT NO.  
DATE ISSUED

15. DATE SPUDDED  
2-26-88

16. DATE T.D. REACHED  
3-4-88

17. DATE COMPL. (Ready to prod.)  
3-25-88

18. ELEVATIONS (DF. RNB. RT. GR. ETC.)\*  
3540.5' GR ✓

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
3425'

21. PLUG. BACK T.D., MD & TVD  
3380'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
ROTARY TOOLS  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
3022-3100 (Yates) ✓

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
ZDL/CN/GR/CAL, DLL/GR, CBL

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
8 5/8"	24#	1218'	12 1/4"	500 sx Halliburton Lite & 250 sx P+	✓ circulate
4 1/2"	10.5#	3420'	7 7/8"	450 sx Halliburton Lite & 200 sx P+	✓ TOC @ 600

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3025'	

31. PERFORATION RECORD (Interval, size and number)  
3022, 24, 34, 36, 40, 43, 45, 50, 86, 88, 92, 94 & 3100' w/2 JSPF ✓

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3022-3100'	Spotted 500 gals 15% NEFE 38 balls & fraced w/375 b fluid, 75 tons CO2, 42,00 20/40 sand & 30,800# 12/2

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
3-25-88	Pumping - 1 1/4" Rod ✓	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-30-88	24	-	80	80	TSTM	5	-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CO)
n/a	25	80	80	TSTM	5	36.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Used for fuel ✓

TEST WITNESSED BY  
Terrell Hansen

35. LIST OF ATTACHMENTS  
SDS

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

SIGNED Carol-100423 TITLE Agent DATE April 5,

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

1001 makes it a crime for any person knowingly and willfully to make to any department or agency of representations as to any matter within its jurisdiction.

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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Yates	3014	3165	Recovered 10' oil, 80' water (drilling mud 155,000 chl, top tool 156,500 chl, Sampler 155,800 chl) Oil Gravity 34, 55°.
IHP	1570	1730	Sampler: 25 psi, 150 cc oil, .0265
IFP	15	100	CF gas, 2000 cc water. Total
FFP	29	114	liquid 2150 cc.
SIP	432	581	
IFP	43	114	
FFP	58	142	
SIP	1402	1576	
FHP	1570	1703	

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRU VERT. D.
Yates	3020	+52'

SUNDY 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.)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT(Other instructions on  
reverse side)Budget Form No. 1004-0136  
Expires August 31, 1985

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1A. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐OTHER ☐

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

## 2. NAME OF OPERATOR

Grover Oil Company

## 3. ADDRESS OF OPERATOR

P O Box 3666, Midland TX 79702

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

At surface

1980'FSL &amp; 660'FWL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately equal distance between Carlsbad and Hobbs

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

## 16. NO. OF ACRES IN LEASE

160

## 19. PROPOSED DEPTH

3400'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3542.9'GL

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" ✓	24# J-55 ✓	1250'	See Exhibit "H" CIRCULATE
7 7/8"	4 1/2" ✓	11.6# J-55 ✓	3400'	CIRCULATE

Mud Program See Exhibit G

BOP Program See Exhibit E

Gas Not Dedicated

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

TITLE

Operations Supervisor

DATE

June 22, 1987

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See other in-  
structions on  
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-51844	
6. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP PEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DEEP BLESSER <input type="checkbox"/> OTHER <input type="checkbox"/> *AMENDED		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Grover Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P O Box 3666, Midland TX 79702		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface At top prod. interval reported below 1980' FSL & 660' FWL At total depth		9. WELL NO. 2	
14. PERMIT NO. 1980' FSL & 660' FWL		10. FIELD AND POOL, OR WILDCAT West Teas SR (Yates)	
15. DATE SPUDDED 11-12-87		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Section 9, T20S, R33E	
16. DATE T.D. REACHED 11-20-87		12. COUNTY OR PARISH Lea	
17. DATE COMPL. (Ready to prod.) 12-1-87		13. STATE New Mexico	
18. DEPTH (MD & TVD) 3400'		14. ELEV. CASINGHEAD	
19. PLUG, BACK T.D., MD & TVD 3355'		15. INTERVALS (LF, H&B, RT, GB, ETC.) * 3542.9' GR	
20. IF MULTIPLE COMPLET. HOW MANY * 3		16. INTERVALS DRILLED BY ROTARY TOOLS <input checked="" type="checkbox"/> CABLE TOOLS <input type="checkbox"/>	
21. PRODUCING INTERVAL(S), OF THIS COMPLETION— TOP, BOTTOM, NAME (MD AND TVD) 3217 - 3239' Yates		17. WAS DIRECTIONAL SURVEY MADE No	
22. TYPE ELECTRIC AND OTHER LOGS RUN CARLOG NEW MEXICO		18. WAS WELL CORED No	
23. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24#	1256'	12 1/4"
4 1/2"	10.5#	3400'	7 7/8"
			CEMENTING RECORD
			500 sx HL & 250 sx C1 C
			900 sx HL & 200 sx CL C
			AMOUNT PULLED Circ'd -
			Circ'd -
24. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
25. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
26. PERFORATION RECORD (Interval, size and number)			
3217, 20, 27, 31, 37 & 39 w/2 JSPF			
27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3217-39		Acidized w/500 gals 15% NEF	
		*Frac w/380 bbls H2O & 60 tor	
		CO2, 35,000# 20/40 sd & 28,5	
		12/20 sand	
28. PRODUCTION			
DATE FIRST PRODUCTION 12-1-87	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 1 1/4" Rod		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 12-3-87	HOURS TESTED 24	CHOKE SIZE -	PROD'N. FOR TEST PERIOD OIL—BBL. *80 20 GAS—MCF. TSTM WATER—BBL. 35 GAS-OIL RATIO -
FLOW. TUBING PRESS. 20	CASING PRESSURE 20	CALCULATED 24-HOUR RATE 20	OIL GRAVITY-API (CORR.) 36.0
29. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY Terrell Hansen			
30. LIST OF ATTACHMENTS CR 2-23-88			
31. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED David F. Hansen Agent DATE December 9, 1988			

(See Instructions and Space for Additional Data on Reverse Side)

Section 1001 makes it a crime for any person to knowingly make to any department or agency of the United States a false or fraudulent statement or report, or to furnish any false or fraudulent information in any matter within the jurisdiction of any such department or agency.

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):

38.

GEOLOGIC MARKERS

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1							
Yates							
IHP		3075	3250	32 minute PF. Strong. 60 minute ISI.			
IFP		1617	1619	62 minute 2nd F. 240 minute FSI.			
FFP		14	18	Recovered 450' total fluid, 300' oil & gas			
ISIP		81	72	cut mud & 150' DF. Sampler Recovery:			
IFP2		999	981	1000 cc GCO, 240 cc water - 1240 cc total.			
FFP2		81	104				
FSIP		149	168				
FHP		1053	1061				
		1617	1613				
				BHT - 89°			
					Yates	3101	4452 surface

SUNDRY NOTICES AND REPORTS ON WELLS

BUREAU OF LAND MANAGEMENT

BLM - Carson

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

NM-51844

**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

## 2. NAME OF OPERATOR

Grover Oil Company

## 3. ADDRESS OF OPERATOR

P O Box 3666, Midland TX 79702

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

At surface

1980' FNL &amp; 1650' FWL

At proposed prod. zone

Yates, Seven Rivers

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately equal distance between Carlsbad and Hobbs

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1650'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

None

## 16. NO. OF ACRES IN LEASE

160

## 19. PROPOSED DEPTH

3400'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8"	24# J-55 CIRCULATE	1250'	See Exhibit "H"
7 7/8	4 1/2"	11.6# J-55 CIRCULATE	1400'	

Mud Program

See Exhibit "G"

BOP Program

See Exhibit "E"

Gas not dedicated

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

TITLE

Operations Supervisor

DATE April 15, 1987

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

District Area Manager

DATE

4/16/87

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.

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		1c. NAME OF OPERATOR Grover Oil Company		1d. ADDRESS OF OPERATOR P O Box 3666, Midland TX 79702		1e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1650' FWL At top prod. interval reported below At total depth		1f. PERMIT NO. DATE ISSUED		1g. FIELD AND POOL, OR WILDCAT West Teas		1h. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Section 9, T20S, R33E		1i. COUNTY OR PARISH Lea		1j. STATE New Mexico											
15. DATE SPUNDED 4-29-87		16. DATE T.D. REACHED 5-5-87		17. DATE COMPL. (Ready to prod.) 6-2-87		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3544.8' GR ✓		19. ELEV. CASINGHEAD 3544.8'		20. TOTAL DEPTH, MD & TVD 3404' ✓		21. PLUG BACK T.D., MD & TVD 3360' ✓		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		24. ROTARY TOOLS X		25. CABLE TOOLS									
26. PRODUCING INTERVAL(S), OF THIS COMPLETION— TOP, BOTTOM, NAME (MD AND TVD)* Yates 3092'-3147' ✓										27. WAS DIRECTIONAL SURVEY MADE No																			
28. TYPE ELECTRIC AND OTHER LOGS RUN FDC/CNL, GR w/Caliper, Dual IDL/LL										29. WAS WELL CORED No																			
30. CASING RECORD (Report all strings set in well)																													
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD						AMOUNT PULLED															
8 5/8"		32#		1261'		12 1/4"		400 sx Lite & 250 sx CL C						-															
4 1/2"		9.5#		3400'		7 7/8"		700 sx Lite & 250 sx CL C						-															
31. LINER RECORD																													
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		32. TUBING RECORD						PACKER SET (MD)													
										SIZE		DEPTH SET (MD)																	
										2 3/8"		3180'																	
33. PERFORATION RECORD (Interval, size and number) 3092-3147' NOV 13 1987 CARLSBAD, NEW MEXICO										34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3092'-3147' AMOUNT AND KIND OF MATERIAL USED 1000 gals 15% NEFE 405 BW, 72 tons CO2 & 70,000 sand																			
35. PRODUCTION																													
DATE FIRST PRODUCTION 6-2-87				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1 1/4" Rod								WELL STATUS (Producing shut-in) Producing																	
DATE OF TEST *8-3-87		HOURS TESTED 24		CHOKE SIZE -		PROD'N. FOR TEST PERIOD →		OIL—BBL. 33 *165 ✓		GAS—MCF. TSTM		WATER—BBL. 0		GAS-OIL RATIO -															
FLOW. TUBING PRESS. 25		CASING PRESSURE 25		CALCULATED 24-HOUR RATE →		OIL—BBL. 33 *165 ✓		GAS—MCF. TSTM		WATER—BBL. 0		OIL GRAVITY-API (°) 32.2 @ 60																	
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel										37. TEST WITNESSED BY James Berryman																			
38. LIST OF ATTACHMENTS																													
39. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																													
SIGNED <u>Carol Johnson</u>										TITLE <u>Secretary</u>										DATE <u>10/23/87</u>									

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

Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency fraudulent statements or representations as to any matter within its jurisdiction.

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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1 Yates	3060	3215	Recovered 20 bbls heavy gas cut oil (1400'), 7 bbls water, oil gravity 32.2 @ 60°.	Yates	3075	+478 si
IHP	1570	1637		Seven Rivers	3325	+228 si
IFP	23	92				
FFP	126	196				
ISIP	1143	1213				
IFP2	137	206	Sampler Recovery: 160 psi, 900 cc oil, 400 cc water, .907 cubic ft. of gas, 1300 total liquid. 92 degrees.			
FFP2	206	230				
FSIP	1143	1213	Chlorides 164,500			
FHP	1559	1648	Water 158,000			
			1st flow 30 minutes, SI 60 minutes, 2nd flow 60 minutes, SI 120 minutes.			

38. GEOLOGIC MARKERS

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.

BUREAU OF LAND MANAGEMENT

6 IF INDIAN, ALLOTTEE OR TRIBE

NM-57280

(July 1989)

(formerly 2-330)

OIL CONSERVATION  
REUNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTCONTACT RECEIVING  
OFFICE FOR NUMBER  
OF COPIES REQUIRED(See other in-  
structions on  
reverse side)

BLM Roswell District

Modified Form No.

NM60-3160-3

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

NM57280

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "9"

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

West Texas T200 Y-5K

11. NEUT. T. N., M., OR BLOCK AND SURVEY  
OR AREA

Sec. 9, T20S, R33E

12. TYPE OF WELL:

OIL  
WELL☒GAS  
WELL☐

DRY

☐

Other

b. TYPE OF COMPLETION:

NEW  
WELL☒WORK  
OVER☐DEEP-  
EN☐PLUG  
BACK☐DIFF.  
REVR.☐

Other

2. NAME OF OPERATOR

Stevens &amp; Tull, Inc.

3a. Area Code &amp; Phone No.

915-699-1410

3. ADDRESS OF OPERATOR

P.O. Box 11005, Midland, Texas 79702

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

At surface 2310' FNL &amp; 2310' FEL

At top prod. interval reported below

At total depth

9a. API Well No.

30-02531035

14. PERMIT NO.

DATE ISSUED

10/3/90

12. COUNTY OR  
PARISH

Lea

13. STATE

NM

15. DATE STUDDED

11/9/90

16. DATE T.D. REACHED

11/17/90

17. DATE COMPL. (Ready to prod.)

12/20/91

18. ELEVATIONS (OF. RKR. RT. GE. ETC.)\*

3545 GR

19. ELEV. CASINGHEAD

3546

20. TOTAL DEPTH, MD &amp; TVD

3445'

21. PLUG. BACK T.D., MD &amp; TVD

3235

22. IF MULTIPLE COMPL.,  
HOW MANY\*

N/A

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

3042' - 3162' (Yates Sand)

30 FOR RECORD

Ad

25. WAS DIRECTIONAL  
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CASING TYPE/CLASS	AMOUNT PULLED
8 5/8"	24#	1243	12 1/4	650sx Class "C"	N/A
5 1/2"	17#	3445	7 7/8	775 sx Class "C"	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	PACKER CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	3000'	None

31. PERFORATION RECORD (Interval, size and number)

3042' - 3162'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3042-3162	4000 gal 15% NEFE
3042-3162	Frac - 41,300 # 20/40
	18,500 Gal x link gel

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/20/91		Pumping 2 x 1 1/2 x 16' RWBC				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/22/91	48	0	→	198	98	36	495
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
N/A	150#	→	99	49	18	37.7°	

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

Vented - Waiting on gas pipeline connection

TEST WITNESSED BY

Roy Puegh

35. LIST OF ATTACHMENTS

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

SIGNED

[Signature]

TITLE

Engineer

DATE

12/23/91

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Yates (1)	3042	3057	Sand, Oil Stain	Tansil	28.78	
Yates (2)	3080	3114	Sand, Oil Stain	Yates	3030	
Yates (3)	3152	3164	Sand, Oil Stain	Seven Rivers	3298	

38.

GEOLOGIC MARKERS

RECEIVED

JAN 15 1992

REPORT NO.

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. U.S. AGENCY BARBER FEDERAL		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. FARM OR LEASE NAME Barber Federal		
2. NAME OF OPERATOR Grover Oil Company			9. WELL NO. 2		
3. ADDRESS OF OPERATOR P O Box 3666, Midland TX 79702			10. FIELD AND POOL, OR WILDCAT West Teas Yates SR		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface      1980' FNL & 660' FWL At proposed prod. zone <i>E 50N W</i>			11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA Section 9, T20S, R33E		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately equal distance between Carlsbad and Hobbs			12. COUNTY OR PARISH      13. STATE Lea      New Mexico		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      660'		16. NO. OF ACRES IN LEASE      160		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.      1320'		19. PROPOSED DEPTH      3400'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3554.9' GL			22. APPROX. DATE WORK WILL START*		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" ✓	24# J-55	1250'	See Exhibit "H" <b>CIRCULATE</b> <b>CIRCULATE</b>
7 7/8"	4 1/2" ✓	11.6# J-55	3400'	

Mud Program      See Exhibit G

BOP Program      See Exhibit E

Gas Not Dedicated

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 [Signature] TITLE Operations Supervisor DATE June 22, 1987  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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.



DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See other in-  
structions on  
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> (Other <input type="checkbox"/> )		5. LEASE DESIGNATION AND SERIAL NO. NM - 57280 ✓	
2. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESER. <input type="checkbox"/> (Other <input type="checkbox"/> )		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR Grover Oil Company		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR P. O. Box 3666, Midland, Texas 79702		8. FARM OR LEASE NAME Barber Federal ✓	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface		9. WELL NO. 2 ✓	
At top prod. interval reported below 1980' FNL & 660' FNL		10. FIELD AND POOL, OR WILDCAT West Teas ✓	
At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 9, T20S, R33E	
14. PERMIT NO.		12. COUNTY OR PARISH Lea	
DATE ISSUED		13. STATE New Mexico	
15. DATE SPUDDED 8-24-87 ✓	16. DATE T.D. REACHED 8-31-87	17. DATE COMPL. (Ready to prod.) 10-17-87	18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 3554.9' GR ✓
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 3400' ✓		
21. PLUG. BACK T.D., MD & TVD 3250' ✓	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY X	ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3138'-3222' Yates			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC/CNL, GR w/Caliper, Dual IDL/LL			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24#		12 1/4
4 1/2"	10.5#		7 7/8
		CEMENTING RECORD	
		400 sx Lite & 200 P+ 2% CC	
		550 sx Lite & 200 sx Pr +	
		AMOUNT PULLED circ'd- SJS	
		circ'd- SJS	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	3173'		
31. PERFORATION RECORD (Interval, size and number)			
SEE → SJS			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3260-3278		750 gals 15% NEFE cmt ret @ 325	
3138-3222		squeezed w/50 sx cmt	
		1000 gals 15% NEFE	
		Frac w/30,000 gals & 68,000# sc	
33. PRODUCTION			
DATE FIRST PRODUCTION 10-17-87 ✓		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping, 1 1/4" Rod	
WELL STATUS (Producing or shut-in) Producing ✓			
DATE OF TEST 10/20/87	HOURS TESTED 24	CHOKE SIZE -	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 25	CASING PRESSURE 25	CALCULATED 24-HOUR RATE →	OIL—BBL. 35 ✓
			GAS—MCF. TSTM ✓
			WATER—BBL. 40 ✓
			OIL GRAVITY-API (CORR.) 32.2 @ 60°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel			
TEST WITNESSED BY Terrell Hansen			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Terrell Hansen		TITLE Secretary	
		DATE 10-27-87	

\*(See Instructions and Spaces for Additional Data 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.

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.
DST #1 Yates	3128	3235	Recovered 30 feet heavy oil cut mud & 60 feet of slightly oil cut mud.
IHP	1648	1746	
IFP	21	93	
FFP	351	382	
ISIP	49	111	Sampler Recovery: 41 psi, .17 cu. ft.
IFP2	47	106	of gas, 175 cc oil. Total liquid volume
FFP2	49	111	1250 cc. 96 degrees.
FSIP	277	341	
FHP	1627	1721	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates Seven Rivers	3025 3275	+528 +278

BUREAU OF LAND MANAGEMENT

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.)

6 IF INDIAN ALLOTTEE OR TRIBE NAME

NM-57280

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N. H. 01 CONS. DISTRICT

BOX 15000

HOBBBS NEW MEXICO

(See other in-  
structions on  
reverse side)

For: ved.  
Bu: Bureau No. 1004-0137  
Ex: August 31, 1985

5. LEASE: SECTION AND SERIAL NO.

NM - 7280

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Barber Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

West Teas

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Section 9, T20S, R33E

12. COUNTY OR  
PARISH

Lea

13. STATE

New Mexico

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 ☐

DEEP-  
EN ☐

PLUG  
BACK ☐

DIFF  
RESEAL ☐

Other ☐

2. NAME OF OPERATOR

Grover Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 3666, Midland, Texas 79702

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

At surface

At top prod. interval reported below

1980' FNL & 660' FWL

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

8-24-87

16. DATE T.D. REACHED

8-31-87

17. DATE COMPL. (Ready to prod.)

10-17-87

18. ELEVATIONS (DP, RKB, RT, GR, ETC.) \*

3554.9' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3400'

21. PLUG BACK T.D., MD & TVD

3250'

22. IF MULTIPLE COMPL.  
HOW MANY \*

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) \*

3138'-3222' Yates

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

FDC/CNL, GR w/Caliper, Dual IDL/LL

27. WAS WELL CORED

No

28. CASING RECORD (Rep. all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HO. SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#		12 1/4	400 sx Lite & 200 P+ 2% CC	circ'd
4 1/2"	10.5#		7 7/8	550 sx Lite & 200 sx Pr +	circ'd - 550

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3173'	

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3260-3278	750 gals 15% NEFE cmt ret @ 3250 squeezed w/50 sx cmt
3138-3222	1000 gals 15% NEFE Frac w/30,000 gals & 68,000# sd

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-17-87	Pumping, 1 1/4" Rod	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/20/87	24	-		35	TSTM	40	-

FLOW, TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
25	25		35	TSTM	40	32.2 @ 60°

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

Used for fuel

TEST WITNESSED BY

Terrell Hansen

35. LIST OF ATTACHMENTS

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

SIGNED

Terrell Hansen

TITLE

Secretary

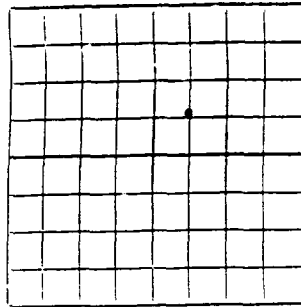
DATE

10-27-87

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

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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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
DST #1 Yates	3128	3235		Yates	3025	+528
IHP	1648	1746	Recovered 30 feet heavy oil cut mud & 60 feet of slightly oil cut mud.	Seven Rivers	3275	+278
IFP	21	93				
FFP	351	382				
ISIP	49	111	Sampler Recovery: 41 psi, .17 cu. ft. of gas, 175 cc oil. Total liquid volume 1250 cc. 96 degrees.			
IFP2	47	106				
FFP2	49	111				
FSIP	277	341				
FHP	1627	1721				



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

City Service Oil Co. State BF  
(Company or Operator) (Lease)  
Well No. 1, in SW 1/4 of NE 1/4, of Sec. 16, T. 20, R. 33, NMPM.  
Leas Pool, Leas County.  
Well is 1980 feet from North line and 1980 feet from East line  
of Section 16-20-33. If State Land the Oil and Gas Lease No. is E 3441  
Drilling Commenced May 3, 1960 Drilling was Completed May 16, 1960  
Name of Drilling Contractor Cactus Drilling Co.  
Address 905 South Cecil, Hobbs, New Mexico  
Elevation above sea level at Top of Tubing Head 3543 The information given is to be kept confidential until  
1960

OIL SANDS OR ZONES

No. 1, from 3096 to 3202 No. 4, from - to -  
No. 2, from - to - No. 5, from - to -  
No. 3, from - to - No. 6, 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.  
No. 4, from - to - feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9 5/8"	32.3-36	New	1223.45	Baker	-	-	Surface
7"	20	New-used	2961.50	Baker	-	-	Surface
5"	13-15	New	347.55	Brown	-	(6) 3166'-3208.5' (40) 3096'-3106' (32) 3194'-3202'	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2"	9 5/8"	1236.45	600	Plug	-	-
8 3/4"	7"	2969.50	800	Plug	-	-
6 1/8"	5"	3274.82	50	Plug	-	-

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

(1) Acidized w/500 gallon-fraced w/5000 gal. & 5000 pound sand  
(2) Acidized w/500 gallon-fraced w/5000 gal. & 5000 pounds sand  
(3) Acidized w/500 gallon 25% acid; 1000 gallon retarded acid; 10,000 gallon & 10,000 pound sand  
Result of Production Stimulation (1) recovered load; (2) recovered load; (3) recovered load  
Pumped potential 51.04 barrels oil, 28.71 barrels water, 24 hrs.  
36" stroke, 14S, P.M., GORTSTM Gr. 33° Depth Cleaned Out 3202'

# **RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## **TOOLS USED**

Rotary tools were used from 0 feet to 3278 feet, and from - feet to - feet.  
Cable tools were used from - feet to - feet, and from - feet to - feet.

## **PRODUCTION**

Put to Producing July 24, 1960.

OIL WELL: The production during the first 24 hours was 79.75 barrels of liquid of which 64 was oil; - % was emulsion; 36 % water; and - % was sediment. A.P.I. Gravity 33° @ 60

GAS WELL: The production during the first 24 hours was - M.C.F. plus - barrels of liquid Hydrocarbon. Shut in Pressure - lbs.

Length of Time Shut in -

**PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):**

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.....	1257 + 2292	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....		T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	Base 2805 + 744	T. Montoya.....	T. Farmington.....
T. Yates.....	2982 + 567	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	(Dolo.) 3266 + 283	T. McKee.....	T. Menefee.....
T. Queen.....		T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....		T. Granite.....	T. Dakota.....
T. Glorieta.....		T. ....	T. Morrison.....
T. Drinkard.....		T. ....	T. Penn.....
T. Tubbs.....		T. ....	T. ....
T. Abo.....		T. ....	T. ....
T. Penn.....		T. ....	T. ....
T. Miss.....		T. ....	T. ....

## **FORMATION RECORD**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	41	41	Sand, Surface Rock				
41	843	802	Red Bed				
843	967	124	Anhydrite				
967	1020	53	Shale				
1020	1244	224	Anhydrite-Shale				
1244	1399	155	Anhydrite				
1399	2845	1446	Salt, Anhydrite				
2845	2951	106	Anhydrite, Gyp				
2951	3040	89	Anhydrite				
3040	3278	238	Dolomite, Sand				
			3278' = TD				
			3203' = PBTD				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator Citles Service Oil Co. Address Box 97, Hobbs, New Mexico  
Name George M. Geyer Position or Title District Superintendent  
7-25-60 (Date)

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. S-886
7. Unit Agreement Name
8. Farm or Lease Name Arco State
9. Well No. #1
10. Field and Pool, or Whdcat W. Teas Yates
12. County Lea

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 -" (FORM C-101) FOR SUCH PROPOSALS.

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-
2. Name of Operator William E. Hendon, Jr.
3. Address of Operator 601 N. Loraine, Suite 111, Midland, Texas 79701
4. Location of Well UNIT LETTER <u>E</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>660</u> FEET FROM THE <u>west</u> LINE, SECTION <u>16</u> TOWNSHIP <u>20S</u> RANGE <u>33E</u> NMPM.

15. Elevation (Show whether DF, RT, GR, etc.) 3531 GR
--

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
<input type="checkbox"/> PERFORM REMEDIAL WORK <input type="checkbox"/> HOARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER	<input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER
<input type="checkbox"/> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER	<input type="checkbox"/> ALTERING CASING <input checked="" type="checkbox"/> PLUG AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Performed following to P&A referenced well based on approval of Jerry Sexton dated July 16, 1983. (Copy enclosed for your convenience.)

- (1) Ran 7" CIBP on tubing to 2858' & set
- (2) Spotted 65 sx (35 linear feet) of class "C" neat cmt on top of CIBP
- (3) Circulated well w/ 10 lb. brine and salt gel
- (4) POH & LD tbg until bottom of tbg at 1430'
- (5) Spotted 58 sx (315 linear feet) class "C" neat cmt from 1430'-1115'
- (6) POH & LD reamaining tubing
- (7) Cut off & recovered wellhead below ground level and set 10 sx class "C" surface plug
- (8) Welded plate onto well & erected identification marker above csg stub
- (9) Well permanently plugged & abandoned

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

SIGNED Robbie O'Donnell TITLE Production Clerk DATE August 8, 1983  
OIL & GAS INSPECTOR  
APPROVED BY David Catanzaro TITLE DATE NOV 22 1983

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
U.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of License State <input checked="" type="checkbox"/> <input type="checkbox"/>
5. State Oil & Gas License No. S-886

TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

Name of Operator

William E. Hendon, Jr.

Address of Operator

601 N. Loraine, Suite 111, Midland, Texas 79701

Location of Well

LETTER E LOCATED 1980 FEET FROM THE north LINE AND 660 FEET FROM

west LINE OF SEC. 16 TWP. 20-S RGE. 33-E NMPM

Date Spudded 2-9-81	16. Date T.D. Reached 12-21-81	17. Date Compl. (Ready to Prod.) 1-20-81	18. Elevations (DF, RKB, RT, GR, etc.) 3531 GR	19. Elev. Casinghead 3529
------------------------	-----------------------------------	---	---	------------------------------

Total Depth 3260	21. Plug Back T.D. 3112	22. If Multiple Compl., How Many N/A	23. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>
---------------------	----------------------------	---	---

Producing Interval(s), of this completion -- Top, Bottom, Name

Yates 3016 -- 3092

25. Was Directional Survey Made  
no

Type Electric and Other Logs Run

Compensated Gamma-Ray-Neutron

27. Was Well Cored  
no

## CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5/8	unknown	1303	unknown	710 sx	none
7	unknown	2955	unknown	458 sx	none

## LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
	2901	3260	35 sx	--

## 30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	3062	none

Perforation Record (Interval, size and number)

3016-24, 3028-35, 3078-92  
.75" diameter shot size  
2 JSPF -- 112 shots total

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3016-3092	frac w/28,000 gals. & 36,000#s sand

## PRODUCTION

First Production gabbled oil 1-18-82	Production Method (Flowing, gas lift, pumping -- Size and type pump) 1-1/4" x 2" x 16' insert rod pump	Well Status (Prod. or Shut-in) producing
---	---	---

Date of Test 2-20-82	Hours Tested 24	Choke Size N/A	Prod'n. For Test Period 20	Oil -- Bbl. TSTM	Gas -- MCF TSTM	Water -- Bbl. -0-	Gas -- Oil Ratio TSTM
-------------------------	--------------------	-------------------	-------------------------------	---------------------	--------------------	----------------------	--------------------------

Tubing Press. N/A	Casing Pressure -0-	Calculated 24-Hour Rate 20	Oil -- Bbl. TSTM	Gas -- MCF TSTM	Water -- Bbl. -0-	Oil Gravity -- API (Corr.) unknown
----------------------	------------------------	-------------------------------	---------------------	--------------------	----------------------	---------------------------------------

Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

J. Tarrant

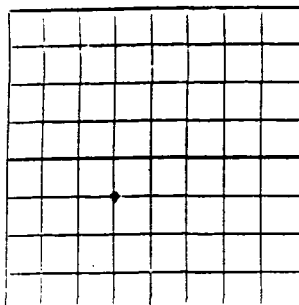
Attachments

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.

SIGNED Timothy Hartfield TITLE Operations Engineer DATE Feb. 23, 1982







AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

Cities Service Petroleum Company State 8F  
(Company or Operator) (County)

Well No. 2, in NE 1/4 of SW 1/4, of Sec. 16, T. 20-S, R. 33-E, NMPM.  
Undesignated Pool, Lea County.

Well is 1980 feet from South line and 1980 feet from West line  
of Section 16-20S-33 E. If State Land the Oil and Gas Lease No. is E 3441

Drilling Commenced December 17, 1960 Drilling was Completed December 27, 1960

Name of Drilling Contractor Cactus Drilling Company

Address Box 1826, Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3544' DF The information given is to be kept confidential until 1960

OIL SANDS OR ZONES

No. 1, from 3094' to 3100' No. 4, from 3191' to 3196'  
No. 2, from 3159' to 3164' No. 5, from 3201' to 3209'  
No. 3, from 3179' to 3186' No. 6, from 3191' to 3196'

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 -  
No. 4, from - to - feet -

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9 5/8"	36#	New	1226.59	Baker	-	-	Surface
7"	20#	New	2938.80	Baker	-	-	Intermediate
5" Liner	15#	New	327.17	MWL	-	3094-3100	Production
						3159-3164	
						3179-3186	3201-3209
						3191-3196	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	9 5/8"	1240.59	600	Plug	-	-
8 3/4"	7"	2950.80	750	Plug	-	-
7 7/8"	5"	3225	50	Plug	-	-

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

(1) Acidized w/1000 gallon XLST acid (2) fraced w/15000 gallon lease crude, 15000# sand w/250# mothballs after 7,500 gallon w/1/20# adomite per gallon; (3) Fraced with 10,000 gallon lease crude, 10,000# sand (two stages) thru perf. 3179-3186; 3191-3196; 3201-3209.

Result of Production Stimulation

(1) Swabbed Dry (2) Swabbed and pumped - recovered all load except 144 barrel; (3) pumped load & potentialled.

Depth Cleaned Out 3224'

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 3225 feet, and from - feet to - feet.  
Cable tools were used from - feet to - feet, and from - feet to - feet.

## PRODUCTION

Put to Producing 1-28, 1961  
OIL WELL: The production during the <sup>potential</sup> ~~600000~~ was 24.75 barrels of liquid of which 78.8% was oil; -% was emulsion; 21.2% water; and -% was sediment. A.P.I. Gravity 33.  
GAS WELL: The production during the first 24 hours was - M.C.F. plus - barrels of liquid Hydrocarbon. Shut in Pressure - lbs.  
Length of Time Shut in -

## PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. 1214 (+2330)	T. Devonian	T. Ojo Alamo	
T. Salt	T. Silurian	T. Kirtland-Fruitland	
B. Salt 2805 (+739)	T. Montoya	T. Farmington	
T. Yates 2974 (+570)	T. Simpson	T. Pictured Cliffs	
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash	T. Mancos	
T. San Andres	T. Granite	T. Dakota	
T. Glorieta	T.	T. Morrison	
T. Drinkard	T.	T. Penn	
T. Tubbs	T.	T.	
T. Abo	T.	T.	
T. Penn	T.	T.	
T. Miss	T.	T.	

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	534	534	Sand, Caliche, Red Bed				
534	895	361	Red Bed				
895	1095	200	Red Bed, Sand				
1095	1225	130	Red Bed, Anhydrite				
1225	2195	970	Anhydrite				
2195	2868	673	Salt Anhydrite				
2868	2911	43	Anhydrite				
2911	3012	101	Dolomite				
3012	3044	32	Sandy Lime				
3044	3123	79	Lime, Dolomite				
3123	3225	102	Sandy Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator Citiles Service Petroleum Co. Address Box 97 Hobbs, New Mexico  
Name GAO. M. Geyer Position or Title District Supt.  
Date 1-30-61

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-85

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-8433

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Hanson Oil Corporation	8. Form or Lease Name Atlantic State
3. Address of Operator P. O. Box 1515, Roswell, New Mexico 88201	9. Well No. #1
4. Location of Well UNIT LETTER C 990 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 20-S RANGE 33-E NMPM.	10. Field and Pool, or Wildcat W. Teas Yates SR
15. Elevation (Show whether DF, RT, GR, etc.) 3542' DF	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Plugged and abandoned the above captioned well as follows:

Spotted 175 sk plug from 3110' to 1125'  
Spotted 10 sk plug from 150' to surface  
9.5#/gal mud between plugs

Installed Dry Hole Marker. Well PLUGGED & ABANDONED on 10-22-80

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

SIGNED Louise Schmitt TITLE Production Analyst DATE 10-24-80

APPROVED BY Ronald Callaway TITLE OIL & GAS INSPECTOR DATE JUL 2 1982

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR	

Form C-105  
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> <input type="checkbox"/>
5. State Oil & Gas Lease No.	N. M. 753

1a. TYPE OF WELL		OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name	
b. TYPE OF COMPLETION		NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> CHANGE IN NAME OF OPERATOR <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Form or Lease Name	
2. Name of Operator		Ernest A. Hanson		FROM: ERNEST A. HANSON	
3. Address of Operator		P. O. Box 1515, Roswell, New Mexico		TO: HANSON OIL COMPANY	
4. Location of Well		Effective: January 1, 1969		EFFECTIVE: APRIL 1, 1970	
UNIT LETTER C		LOCATED 990 FEET FROM THE North		LINE AND 1980 FEET FROM	
THE West LINE OF SEC. 16		TWP. 20-S		RGE. 33-E	
15. Date Spudded		12-21-60		16. Date T.D. Reached	
3-1-61		17. Date Compl. (Ready to Prod.)		1-1-68	
18. Elevations (DF, RKB, RT, GR, etc.)		3542' DF		19. Elev. Casinghead	
3540'		20. Total Depth		3265'	
21. Plug Back T.D.		3210'		22. If Multiple Compl., How Many	
23. Intervals Drilled By		Rotary Tools		Cable Tools	
0 - 1220'		1220 - 3265'		24. Producing Interval(s), of this completion - Top, Bottom, Name	
3171-3185' Yates Formation		25. Was Directional Survey Made		No	
Type Electric and Other Logs Run		None on plug back		27. Was Well Cored	
No		28. CASING RECORD (Report all strings set in well)			

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	1220'	10-1/2"	600 sx. circulated	None
7"	20	2955'	8"	25 sx.	2800'
4-1/2"	9.5	3260'	6-1/2"	450 sx.	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3120'	None
31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
1 - 0.50" SPF @ 3171, 3173, 3175, 3178, 3181, 3183.5 & 3185.				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Jan. 1, 1968		Pumping - insert pump				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1-1-68	24			58		Trace	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
			58		Trace	34	
Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
Vented						Murdock	

35. List of Attachments	None
-------------------------	------

36. 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.		
SIGNED	TITLE	DATE
<i>Henry F. Schramm</i>	Exploration Manager	Jan. 2, 1968

18

### Northwestern New Mexico

\_\_\_\_\_

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-3441	
7. Unit Agreement Name	
8. Farm or Lease Name	
Lea 886 State	
9. Well No.	
1 2	
10. Field and Pool, or Wildcat	
Teas Yates 7R West	
12. County	
Lea	

**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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Plug & Abandon
2. Name of Operator Atlantic Richfield Company
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER B 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 20S RANGE 33E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3544' GR

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

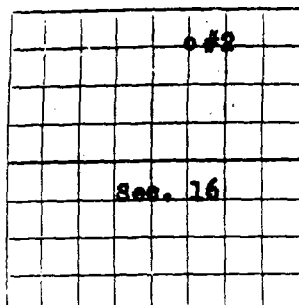
Plugged and abandoned in the following manner:

- On 2/4/75 rigged up, installed BOP. POH w/completion assy. WIH w/bit & csg scraper to 2895'.
- Ran cmt retr on 2-3/8" tbg to 2850'.
- Squeeze cemented perfs 3182-3206' w/50 sx Cl C cmt cont'g 4% gel, 8#/sk salt.
- POH w/stinger & reran tbg OE, spotted 225 sx Cl C cmt cont'g 4% gel, 8#/sk salt over salt section 2850-1200'.
- Filled hole w/heavy mud to 40' from surface.
- Spotted 10 sk cmt plug 40' to surface, installed regulation dry hole marker.

Your office to be notified when location has been cleaned & leveled & is ready for inspection.

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

SIGNED <u>H. J. Beards</u>	TITLE <u>Dist. Drlg. Supv.</u>	DATE <u>2/10/75</u>
APPROVED BY <u>H. J. Beards</u>	TITLE <u>OIL &amp; GAS INSPECTOR</u>	DATE <u>2/10/75</u>
CONDITIONS OF APPROVAL, IF ANY:		



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Sinclair Oil & Gas Company  
(Company or Operator)

State Lea 886  
(Lease)

Well No. 2, in NW  $\frac{1}{4}$  of NE  $\frac{1}{4}$  of Sec. 16, T. 20S, R. 33E, NMPM.  
West Ties- Yates Pool, Lea County.  
Well is 660 feet from North line and 1980 feet from East line  
of Section 16. If State Land the Oil and Gas Lease No. is E-3441  
Drilling Commenced February 26, 1960 Drilling was Completed March 11, 1960  
Name of Drilling Contractor A.W. Thompson, Inc.  
Address Box 526, Midland, Texas  
Elevation above sea level at Top of Tubing Head 3544 The information given is to be kept confidential until  
1960

OIL SANDS OR ZONES

No. 1, from 2950 to 3274 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

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

No. 1, from None to \_\_\_\_\_ feet.  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9-5/8"	36.440	New	1308				Surface
7"	20	New	2950				Production
2-3/8"	4.7	New	3233				Tubing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4	9-5/8	1308	914	Halliburton		
8-3/4	7	2950	465	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

No Treatment

Result of Production Stimulation No treatments - well completed natural - swabbed 39 bbls of 30.0 gravity oil in 5 hrs. GOR 180.

Depth Cleaned Out \_\_\_\_\_



# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 3360 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to Producing March 14, 1960

OIL WELL: The production during the first 24 hours was 187 barrels of liquid of which 100 was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I.

Gravity 30.0

GAS WELL: The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs.

Length of Time Shut in \_\_\_\_\_

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.	<u>1260</u>	T. Devonian	T. Ojo Alamo
T. Salt		T. Silurian	T. Kirtland-Fruitland
B. <del>XXX</del> Tansill	<u>2812</u>	T. Montoya	T. Farmington
T. Yates	<u>2990</u>	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	<u>3257</u>	T. McKee	T. Menefee
T. Queen		T. Ellenburger	T. Point Lookout
T. Grayburg		T. Gr. Wash	T. Mancos
T. San Andres		T. Granite	T. Dakota
T. Glorieta		T.	T. Morrison
T. Drinkard		T.	T. Penn.
T. Tubbs		T.	T.
T. Abo		T.	T.
T. Penn.		T.	T.
T. Miss.		T.	T.

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	490	490	Redbed				
490	772	282	Redbed & Shale				
772	1044	272	Redbed & Anhydrite				
1044	1327	283	Anhydrite				
1327	2810	1483	Anhydrite & Salt				
2810	2966	156	Anhydrite				
2966	3079	113	Anhydrite, Lime & Gyp				
3079	3215	136	Sandy Lime & Gyp				
3215	3360	145	Sandy Lime & Dolomite				

(See attached sheet for record of DST)

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

March 22, 1960

Company or Operator Sinclair Oil & Gas Co.  
Name Fred Burns

Address 520 E Broadway, Hobbs, N.M.  
Position or Title Dist. Supt.

**SINCLAIR OIL & GAS COMPANY**

**State Lea 886 Lease - Well #2 - 660' f/North line & 1980' f/East line of  
Sec. 16-20S-33E, Lea County, New Mexico**

**Record of Drill Stem Test.**

**DST #1, 3-11-60. From 3305-3360, Lower Yates, 5/8" bottom & 1" top chokes.  
No water blanket. Initial 30 min shut in press 1200#.  
Tool open 1 hour and shut in 1 hour. Opened with good blow  
and continued thru-out test. Recovered 2260' sulphur water.  
No show oil or gas. IFP 160#, FFP 960#, Final shut in  
pressure 1200#.**

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LAND OFFICE		
OPERATOR		

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. <b>E-4207</b>

## 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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator <b>Sinclair Oil &amp; Gas Company</b>	8. Farm or Lease Name <b>State Lea 6019</b>
3. Address of Operator <b>P. O. Box 1920, Hobbs, New Mexico, 88240</b>	9. Well No. <b>2</b>
4. Location of Well UNIT LETTER <b>D</b> <b>660</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>West</b> LINE, SECTION <b>16</b> TOWNSHIP <b>20</b> RANGE <b>33</b> NMPM.	10. Field and Pool, or Wildcat <b>West Teas Yates</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>3530 Surface</b>	12. County <b>Lea</b>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
ILL OR ALTER CASING ☐  
OTHER ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER ☐  
ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

**2-3-65 Squeezed perforations (Yates) 3232'-3240' w/150 sks. Incor Neat Cement w/3 sks flo-  
seal in first 50 sks. Max. Press. 6000#, completed 11:00 AM 2-3-65. Left 2-7/8"OD  
casing (Tubing F/Casing) full of cement to surface. Approximately 75 sks. cement  
squeezed into formation thru perforations 3232'-3240'. Installed regulation marker.  
Cleaned and leveled location. Plugged and Abandoned.**

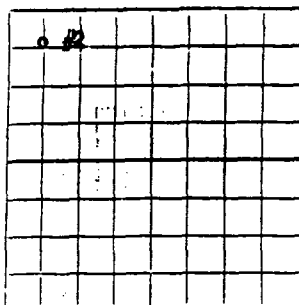
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Leslie A. Clement TITLE **Area Superintendent** DATE **2-8-65**

APPROVED BY Leslie A. Clement TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**Orig&2cc; CCC, Hobbs, cc: State Land Office, cc: Mr. R. F. Sawyer. cc: U.S. Borax. Carlsbad. N.M.**



# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

41

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Sinclair Oil & Gas Company**

(Company or Operator)

**State Lea 6019**

(Lease)

Well No. **2**, in **N**  $\frac{1}{4}$  of **N**  $\frac{1}{4}$  of Sec. **16**, T. **20S**, R. **33E**, NMPM.

~~Indesignated~~

Pool,

Lea

County.

Well is **660** feet from **North** line and **660** feet from **West** line

of Section **16** If State Land the Oil and Gas Lease No. is **E-1207**

Drilling Commenced **April 20**, 19**60** Drilling was Completed **May 3**, 19**60**

Name of Drilling Contractor **A.W. Thompson, Inc.**

Address **Box 526, Midland, Texas**

Elevation above sea level at Top of Tubing Head **3530** The information given is to be kept confidential until

, 19

### OIL SANDS OR ZONES

No. 1, from **2980** to **3263** No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, 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.

No. 4, from to feet.

### CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9-5/8	32	New	1350				Surface Csg
7	20	New	2975		2874		Intermediate Csg
2-7/8	6.5	Used	3297			3194-3199	Production Csg
1-1/4	2.3 (5000# Test)	Used	3045				Tubing

### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4	9-5/8	1350	608	Halliburton		
8-3/4	7	2975	16	Halliburton		
6-1/8	2-7/8	3297	1028	Halliburton		

### RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

**Treated perforations 3194-99 with 250 gallons mud acid and 1500 gallon-1500 lb sandoil frac.**

Result of Production Stimulation **Pumped 47 bbls new 30 gravity oil and 31 bbls formation water in 24 hours. Gas-50%**

Depth Cleaned Out

Orig:5cc: OCC-Hobbs; cc:State Land Office; cc:HFD JM. File

# RECORD OF DRILL-STEM AND SPECIAL 1 78

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from Surface feet to 3297 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to Producing May 20, 1960  
OIL WELL: The production during the first 24 hours was 78 barrels of liquid of which 60 % was oil; 0 % was emulsion; 10 % water; and 0 % was sediment. A.P.I. Gravity 30  
GAS WELL: The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs.  
Length of Time Shut in \_\_\_\_\_

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. <u>1170</u>	T. Devonian	T. Ojo Alamo	
T. Salt	T. Silurian	T. Kirtland-Fruitland	
B. <u>2800</u>	T. Montoya	T. Farmington	
T. Yates <u>2980</u>	T. Simpson	T. Pictured Cliffs	
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash.	T. Mancos	
T. San Andres	T. Granite	T. Dakota	
T. Glorieta	T.	T. Morrison	
T. Drinkard	T.	T. Penn.	
T. Tubbs	T.	T.	
T. Abo	T.	T.	
T. Penn.	T.	T.	
T. Miss.	T.	T.	

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	622	622	Redbed				<b>DEVIATION SURVEYS</b>
622	1002	380	Anhydrite & Redbed				1/4 @ 500'
1002	1350	348	Anhydrite				1/4 @ 1125'
1350	2788	1438	Anhydrite & Salt				2-3/4 @ 2659'
2788	3010	222	Anhydrite & Lime				2-1/2 @ 2975'
3010	3297	287	Lime & Sand				
3297	Total Depth						

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on \_\_\_\_\_ as can be determined from available records.

Company or Operator Sinclair Oil & Gas Company Address 520 E Broadway, Hobbs, N.M.  
Name Fred Burns Title Dist. Supt.  
Date June 6, 1960

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P.O. Box 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
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U.S.G.S	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

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-" (FORM C-1011 FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER

Name of Operator  
Read & Stevens, Inc.

Address of Operator  
P.O. Box 1518, Roswell, NM 88201

Location of Well

UNIT LETTER J 2310 FEET FROM THE East LINE AND 2310 FEET FROM  
THE South LINE. SECTION 16 TOWNSHIP 20S RANGE 33E NMPM

5. Elevation(Show whether DF,RT,GR,etc.)  
3542.0' GL

7. Unit Agreement Name

8. Farm or Lease Name  
Snyder

9. Well No.  
1

10. Field and Pool, or Wildcat

West Teas Yates

12. County  
Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐  
OTHER ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER ☐

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

Describe Proposed or Completed Operations(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9-1-83 Set CIPB 3050'. Prep to spot cmt.

9-2-83 Pumped 105BBLs mud @ 3050', pump 25sx cmt on vacuum, SD 4hrs @ 3050', pump 15sx cmt pressured up, broke circ, pull tubing, spot 35sx @ 2700'.

9-6-83 Tag @ 2410', 35sx plug set @ 1456'-1356', 10sx surface plug w/Dryhole marker.

Cleaning up location. Will Notify when ready for inspection.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Bruce Stobbs TITLE Drilling & Production Manager DATE 9-8-83

APPROVED BY David Catano TITLE OIL & GAS INSPECTOR DATE APR 2 1984

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P.O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-105  
Revised 10-1-78

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

7. Unit Agreement Name

8. Farm or Lease Name

Snyder

9. Well No.

10. Field and Pool, or Wildcat

West Teas Yates

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

12. County

19. Elev. Casinghead

25. Was Directional Survey

Made

27. Was Well Cored

NO

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

b. TYPE OF COMPLETION  
NEW WORK PLUG DIFF.  
WELL ☐ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☒ OTHER ☐

2. Name of Operator

3. Address of Operator

4. Location of Well

UNIT LETTER J LOCATED 2310 FEET FROM THE East LINE AND 2310 FEET FROM

THE South LINE OF SEC. 16 TWP. 20S RGE. 33E NMMP

15. Date Spudded 10-9-64

16. Date T.D. Reached 10-29-64

17. Date Comp. (Ready to Prod.) 9-30-82

18. Elevations (DF, RKB, RT, GR, etc.) 3542' GR

20. Total Depth 3230'

21. Plug Back T.D. 3217'

22. If Multiple Compl., How Many -

23. Intervals Drilled By 0-1262'

24. Producing Interval(s), of this completion-Top, Bottom, Name

3098'-3116' Yates

5. Type Electric and Other Logs Run

GR, Sonic, Calliper

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1262'	11"	375sx	
7"	23#	2886'	8"	25sx & 225sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	2636'	3222'	65sx	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8" & 2 7/8"	3090, 23'	-

31. Perforation Record (Interval, size and number)

3222'-3230'-open hole.  
3098'-3116', 2 shots/'. 36 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3222'-3230'	200sx Class "C" cmt squeeze
3098'-3116'	2000gal MOD 202, 30,000gal gelled wt
	30,000gal CO <sub>2</sub> & 67,000# 8-12 mesh sd

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping-Size and type pump)	Well Status (Prod. or Shut-in)
9-26-82	Pumping 2"X1 1/2"X16' RWBC	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For	Oil-Bbl.	Gas-MCF	Water-Bbl.	Gas-Oil Ratio
9-30-82	24	-	Test Period	8	15	2	1,875 MCF/BBL

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil-Bbl.	Gas-MCF	Water Bbl.	Oil Gravity-API (Corr.)
-	-	8	15	2	-	-

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Dan Lough

35. List of Attachments

None

36. 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

SIGNED B. J. Tubbs TITLE Drilling & Production Manager DATE 10-1-82

filled with the ap-  
-filled or deepene  
and a summary o  
depths. In the cas

filled with the ap-  
-filled or deepene  
and a summary o  
depths. In the cas

## Southeastern New Mexico

## Northwestern New Mexico 2

Anhy 1253'	T. Canyon	T. Ojo Alamo	T. Penn. "B"
Salt 1458'	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
Salt 2785'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
Yates 2984'	T. Miss	T. Cliff House	T. Leadville
7 Rivers 3220'	T. Devonian	T. Menefee	T. Madison
Queen	T. Silurian	T. Point Lookout	T. Elbert
Grayburg	T. Montoya	T. Mancos	T. McCracken
San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
Glorieta	T. McKee	Base Greenhorn	T. Granite
Paddock	T. Ellenburger	T. Dakota	T. _____
Bilnebry	T. Gr. Wash	T. Morrison	T. _____
Tubb	T. Granite	T. Todilto	T. _____
Drinkard	T. Delaware Sand	T. Entrada	T. _____
Abo	T. Bone Springs	T. Wingate	T. _____
Wolfcamp	T. _____	T. Chinle	T. _____
Penn. _____	T. _____	T. Permian	T. _____
Cisco(BoughC)	T. _____	T. Penn "A"	T. _____

## OIL OR GAS SAND OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	No. 5, from.....to.....
No. 3, from.....to.....	No. 6, from.....to.....

## IMPORTANT WATER SANDS

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

.1, from.....to.....feet .....

.2, from.....to.....feet .....

.3, from.....to.....feet .....

.4, from.....to.....feet .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness In Feet	Formation	From	To	Thickness In Feet	Formation
0	1248'	1248'	Red Bed.				
48'	1340'	92'	Anhydrite.				
40'	2810'	1470'	Salt & Anhydrite.				
10'	3095'	285'	Lime.				
95'	3230'	135'	Sand & lime.				



Full Well Report for MITCHELL ENERGY CORP.  
Copyright 1993 by Petroleum Information, Corp.  
PIT411 \*\*\*\*\* NOV 09, 1993 13:56:04 \*\*\*\*\* WELL 18

API Nbr: 30025213430000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: SHORELINE EXPL Oper Code: 078570  
Lease: SNYDER Well: 2 Lease Code:  
Field: TEAS W Field Code: 087382  
SURVEY: District: 1

T020S R033E SEC16 Spot:  
FOOTAGES: 1090FS 2310FE CNGRS T-R-SEC /FULL SEC

Oper Elev: 3543DF RIG HT: Log Td:  
Form@TD: 453SVRV

Other Depths: DRLR 3295 WSTD PBDT OLDTD

Status: D&A Spud Date: 04 29 1965  
Hole Dir: VERTICAL Comp Date: 05 17 1965  
Numeric Class: INL-6 FNL-0  
Alpha Class: INL-D FNL-D

Latitude: 32.56882 Source: USGS NAD27 Longitude: 103.66666

CASING:  
10 3/4 @ 365 W/ 250SX

Contr: Tools: ROTARY RIG Nbr:

INITIAL POTENTIAL TESTS:

FORMATION TOPS: (Source,Names,Depths,Shows)

LOG  
454ANDR 1257 453YTES 3026 453SVRV 3265

FORMATION BASES: (Base & Depth)

454SALT 2808

CORE DESCRIPTIONS:

FORMATION TESTS:

DST 01 BLRT 3245-3245  
REC 7GAL ZW

DST 02 BLRT 3264-3264  
REC 21GAL ZW

DST 03 BLRT 3280-3280

REC 42GAL ZW

PRODUCTION TESTS:

LOG SURVEYS:

NE

OTHER WELL INFO:

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

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LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-3441	

## 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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Plug & Abandon		7. Unit Agreement Name
2. Name of Operator Atlantic Richfield Company		8. Farm or Lease Name Lea 886 State
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 1
4. Location of Well UNIT LETTER F 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 20S RANGE 33E NMPM.		10. Field and Pool, or Wildcat Teas Yates 7R West
15. Elevation (Show whether DF, RT, GR, etc.)		12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
DRILL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Well was plugged & abandoned in the following manner:

- On 2/2/75 rigged up csg pullers, installed BOP & pulled rods & tbg.
- WIH w/5 1/2" csg scraper to 2800'.
- Set cmt retr @ 2817'. Squeeze cmtd perfs 3146-3232' w/35 sx Cl C cmt cont'g 4% gel & 8# salt/sk.
- Circulated hole w/9.5# mud.
- Spotted 130 sx Cl C cmt cont'g 4% gel & 8# salt/sk from 1200-2817' to cover salt section.
- Spotted 10 sx cmt from 40' to surface. Installed regulation dry hole marker. Well P&A effective 2/11/75. Location to be cleaned & levelled.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED H. J. Bernard TITLE Dist. Drlg. Supv. DATE 2/14/75

APPROVED BY A. D. Stettin TITLE OIL & GAS INSPECTOR DATE MAR 5 1975

CONDITIONS OF APPROVAL, IF ANY:



If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 36.500 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to Producing \_\_\_\_\_ 19\_\_

OIL WELL: The production during the first 24 hours was \_\_\_\_\_ barrels of liquid of which \_\_\_\_\_ % was  
oil; \_\_\_\_\_ % was emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % was sediment. A.P.I.  
Gravity \_\_\_\_\_

GAS WELL: The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of  
liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_  
Length of Time Shut in \_\_\_\_\_

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anby.....	<b>1975</b>	T. Devonian.....	<b>1975</b>
T. Salt.....	<b>1978</b>	T. Silurian.....	
B. Salt.....		T. Montoya.....	
T. Yates.....	<b>1976</b>	T. Simpson.....	
T. 7 Rivers.....	<b>1975</b>	T. McKee.....	
T. Queen.....		T. Ellenburger.....	
T. Grayburg.....		T. Gr. Wash.....	
T. San Andres.....		T. Granite.....	
T. Glorieta.....		T. ... ..	
T. Drinkard.....		T. ... ..	
T. Tubbs.....		T. ... ..	
T. Abo.....		T. ... ..	
T. Penn.....		T. ... ..	
T. Miss.....		T. ... ..	
		T. Ojo Alamo.....	
		T. Kirtland-Fruitland.....	
		T. Farmington.....	
		T. Pictured Cliffs.....	
		T. Menefee.....	
		T. Point Lookout.....	
		T. Mancos.....	
		T. Dakota.....	
		T. Morrison.....	
		T. Penn.....	
		T. ....	
		T. ....	
		T. ....	
		T. ....	

# FORMATION RECORD

[illegible]

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on as can be determined from available records.

Record of accident on and its return 2-28-28  
Company or Operator Singlair Oil & Gas Company Address 520 East Broadway, Kansas City, Mo.  
Name C. C. Sallor Position or Title District Superintendent

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

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

WELL API NO. 30-025-31857
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

DISTRICT II  
P.O. Box 100, Artesia, NM 88210

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>			7. Lease Name or Unit Agreement Name  Scharbauer "4"		
b. Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESV. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					
2. Name of Operator Mitchell Energy Corporation			8. Well No. 1		
3. Address of Operator P. O. Box 4000, The Woodlands, TX 77387-4000			9. Pool name or Wildcat West Teas (Yates/7 Rivers)		
4. Well Location Unit Letter <u>0</u> : <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>4</u> Township <u>20S</u> Range <u>33E</u> NMPM Lea County					
10. Date Spudded 4/3/93	11. Date T.D. Reached 5/23/93	12. Date Compl. (Ready to Prod.) 1/24/94	13. Elevations (DF & RKB, RT, GR, etc.) 3556' GR	14. Elev. Casinghead 3556'	
15. Total Depth 13,720'	16. Plug Back T.D. 3338'	17. If Multiple Compl. How Many Zones? <u>--</u>	18. Intervals Drilled By Rotary Tools <u>X</u> Cable Tools <u></u>	19. Producing Interval(s), of this completion - Top, Bottom, Name 3156-3273' Yates	
21. Type Electric and Other Logs Run Previously filed			20. Was Directional Survey Made Yes		
22. Was Well Cored Yes - sidewall					

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
see attached					

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	3139'	--

26. Perforation record (interval, size, and number) all holes 0.38" 3156-64' (5 holes), 3174-90' (9 holes), 3200-08' (5 holes), 3218-24' (4 holes), 3233-37' (3 holes), 3244-52' (5 holes), 3261-65' (3 holes), 3269-73' (3 holes)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	3156-3273'	2600 gals 7 1/2% NeFe acid
		53,000 gals Viking I-35 gel
	+ 171,000# 12/20 Brady Sand	

28. PRODUCTION							
Date First Production 1/31/94		Production Method (Flowing, gas lift, pumping - Size and type pump) pumping 2 1/2" x 1 1/4" x 16'				Well Status (Prod. or Shut-in) Prod	
Date of Test 2/1/94	Hours Tested 24	Choke Size --	Prod'n For Test Period	Oil - Bbl 110	Gas - MCF 8	Water - Bbl 48	Gas - Oil Ratio 73
Flow Tubing Press --	Casing Pressure 35	Calculated 24-Hour Rate	Oil - Bbl 110	Gas - MCF 8	Water - Bbl 48	Oil Gravity - API - (Corr.) 34.6	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold	Test Witnessed By Jim Miller
--	---------------------------------

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 Greg Colburn Printed Name Greg Colburn Title Staff Prod Engineer Date 2/2/94

## 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-d 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	T. Penn. "B"
T. Salt	T. Strawn 12,181'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12,494'	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3,154'	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 Otzie
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 5,245'	T. Todilto	T.
T. Drinkard	T. Bone Springs 8,100'	T. Entrada	T.
T. Abo	T. Morrow 12,772'	T. Wingate	T.
T. Wolfcamp 11,102'	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
3154'	3280'	126'	Sand, Dolomite
9186'	9662'	476'	Sand
11102'	11584'	482'	Lime, Chert & Shale
13194'	13462'	268'	Sand, Shale

CASING RECORD (Report all strings set in well)				
CASING SIZE	WEIGHT LB/FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD
20"	94#	500'	26 1/2"	950 sx to surf
13 3/8"	68#	2,950'	17 1/2"	2207 sx to surf
8 5/8"	32#	5,382'	12 1/4"	885 sx to surf
5 1/2"	17#	13,719'	7 7/8"	1000 sx + 800 sx thru
				DV @ 9724' TOC @ 6630'
				5401'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 036259

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burner

9. WELL NO.

3-Y

10. FIELD AND POOL, OR WILDCAT

Halfway-Yates

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 9, 20S - 32E

12. COUNTY OR PARISH 13. STATE

Les

N.M.

## 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

W. H. Price Estate

3. ADDRESS OF OPERATOR

7th. Floor, Amarillo Bldg., Amarillo, Tex., 79101

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

280' FSL &amp; 1980' FEL of Section 9.

14. PERMIT NO.

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

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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 perti-  
nent to this work.)\*

Well was plugged and abandoned as follows:

Spotted 165 sax. cement plug from total depth of 2,639' back to  
a depth of 350' from surface. Checked top of plug with tubing  
at a depth of 350' from surface.  
Placed 10 sax. cement plug at surface and installed regulation  
well marker. Cleaned location.  
Well plugged and abandoned December 15, 1969.

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

SIGNED

TITLE

Engineer

DATE

12-28-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

SEP 4 1970

R. BROWN  
DISTRICT ENGINEER

\*See Instructions on Reverse

# REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Artesia, New Mexico August 30, 1957  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

MRS. BERTIE NOLAND PRICE (Company or Operator), Well No. 3-X, in SW 1/4 SE 1/4,

0, Sec. 9, T. 20S, R. 32E, NMPM., Halfway Pool

Lea

County. Date Spudded. 12/18/52 Date Drilling Completed 2/17/53

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Elevation Total Depth 2639' PSTD

Top Oil/Gas Pay 2629' Name of Prod. Form. Yates

## PRODUCING INTERVAL -

### Perforations

Open Hole 2629-39 Depth Casing Shoe Depth Tubing 2630 (2")

## OIL WELL TEST -

Natural Prod. Test: 35 bbls. oil, 1000 bbls water in hrs, min. Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): bbls. oil, bbls water in hrs, min. Size

Well is now producing approx. 10 BOPD

## GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand):

Casing Tubing Date first new Press. oil run to tanks

Oil Transporter Cactus Petroleum Corp., P. O. Box 1569, Midland

Gas Transporter Texas.

Remarks: Lease previously owned by David C. Sailer. Information in USGS office indicates it has been off production approximately one year.

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

Approved: 19

Mrs. Bertie Noland Price

(Company or Operator)

OIL CONSERVATION COMMISSION

By:

By: Agent

(Signature)

Title

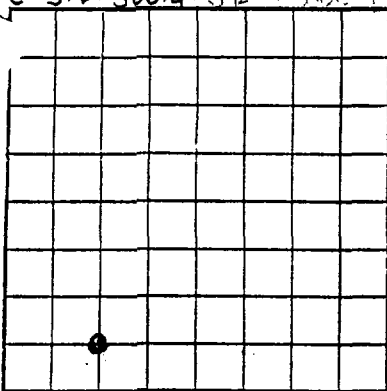
Title

Send Communications regarding well to:

Name Miss Juanita Denton, Box 308

Artesia. New Mexico

C-54-SW 1/4-SE 1/4 Sec. 9



LOCATE WELL CORRECTLY

DUPLICATE

U. S. LAND OFFICE Las Cruces  
 AUG 30 1941  
 SERIAL NUMBER \_\_\_\_\_  
 LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
 059000

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Argo Oil Corporation Address Ft. Worth, Texas Ft. Worth Nat. Bank Bldg.  
 Lessor or Tract Byrl A. Burner Field Halfway State New Mexico  
 Well No. 3 Sec. 9 T. 20-S R. 32-E Meridian \_\_\_\_\_ County Lea  
 Location 330 ft. N. of S. Line and 1980 ft. E. of E. Line of Sec 9- 20 S 32E Elevation 3457  
 (Drill bit floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed M. E. DevanDate August 31 1941.Title Field Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling July 25, 1941 Finished drilling August 28, 1941

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2343 to 2346 Small show No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 2504 to 2514 Small show No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from 2615 to 2618 -Oil filled hole No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 70 to 80 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4" OD	40#	8	Used	396	Tex. Plain	326			Pulled after
8 5/8" OD	28#	8	New	590	Common				
7" OD	20#	8	New	2504.6	Common				
2 1/2"	6.5#	8 Rd	New	2615	Common	barrel			

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	887	50	Halliburton		
4" OD	2594	100 Sx Cement 100 Sx Mud	Halliburton		Filled hole to top with mud outside 7" casing

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

7"OD 2594 100 Sx Cement 100 Sx Mud Halliburton Filled hole to top with mud outside 7" casing

# PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set  
Adapters—Material Size

# SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

# TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet  
Cable tools were used from 0 feet to 2618 feet, and from feet to feet

# DATES

August 31, 1941 Put to producing August 28, 1941  
The production for the first 20 Barrels per hour—swabbing  
barrels of fluid of which 100 % was oil; %  
emulsion; % water; and % sediment. Gravity, °Bé.  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

# EMPLOYEES

Harold R. Martin Driller W. R. Perry Driller  
Fred A. Bond Driller

# FORMATION RECORD

FROM—	TO—	3207	TOTAL FEET	FORMATION
0	20	3181	20	Sandy shale—Red
20	50	3140	30	Red Shale
50	70	3100	20	red rock
70	80	3075	10	Gravel—(Water)
80	110	3041	30	Red sandy shale
110	175	3011	65	" "
175	225	2970	50	Sand—Red Rock
225	240	2930	15	Sandy Shale
240	255	2890	15	Red Rock
255	300	2848	45	Red sandy shale
300	320	2800	20	Red Rock
320	350	2760	30	Sandy shale
350	375	2715	25	Red Shale
375	515	2615	140	Red Rock
515	540	2590	25	Red shale
540	635	2507	95	Red Rock
635	822	2380	187	Red shale
822	965	2332	143	Anhydrite
965	1010	2288	45	Salt
1010	1032	2180	22	Anhydrite
1032	1035	2175	3	Red shale
1035	1075	2130	40	Anhydrite

(OVER)

6-6745

FORMATION RECORD—Continued

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Las Cruces  
Lease No. 059800  
Unit 0

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<b>X</b>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 8, 1952

Well No. #3 Burner is located 390 ft. from SW line and 1980 ft. from SE line of sec. 9  
SW 1/4 Sec. 9 20-8, 32-8 N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
HALFWAY LEA NEW MEXICO  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3457 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On the 5th day of December, 1952, the following work was done ~~to~~ **abandon** the Burner #3 well:

8-5/8" set at 887' with 50 sacks cement.

7" set at 2594' with 100 sacks cement.

5-1/2" set at 2594' and circulated.

In attempting to salvage some casing, a shot went off prematurely at 30'. Then ran 2" tubing to 1612' where it stopped. Pulled tubing and run to 1092' with packer.

Set packer and got reserve circulation; then pumped 325 sacks of cement, pulled tubing and packer and ran 50 sacks which filled 5-1/2" casing to surface.

Regulation marker was set and location cleaned up.

Above operations witnessed by a representative of U.S.G.S., Artesia, NM.

Work done by R. A. Thomas. Well was making 22 bbls. oil & 650 bbls. water before being plugged.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DAVID C. BARKER ET AL  
Address Box 96, Artesia, New Mexico.

By David C. Barker  
Title Owner.

# FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1075	1090	15	Soft Red Shale
1090	1115	25	Salt
1115	1120	5	Anhydrite
1120	1325	205	Salt & Potash
1325	1335	10	Anhydrite
1335	1590	255	Salt & Potash
1590	1595	5	Red Shale
1595	1780	185	Salt & Potash
1780	1945	165	Salt
1945	1950	5	Anhydrite
1950	1960	10	Salt
1960	1972	12	Anhydrite
1972	2070	98	Salt
2070	2120	50	Salt-Potash-Anhydrite and shells
2120	2160	40	Salt
2160	2181	21	Anhydrite
2181	2278	97	Salt
2278	2312	34	Anhydrite
2312	2365	53	Lime— Grey
2365	2370	5	Red Shale
2370	2467	97	Grey Lime
2467	2488	21	Brown Lime
2488	2504	16	Grey Lime
2504	2514	10	Brown Lime ( Show of Oil)
2514	2523	9	Grey Lime
2523	2538	15	Brown Lime
2538	T.D. 2618	80	Grey Lime ( Oil 2615 to 18)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**NH 036259**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Burner**

9. WELL NO.

**4**

10. FIELD AND POOL, OR WILDCAT

**Halfway-Yates**

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

**Sec. 9, 208 - 32E**

12. COUNTY OR PARISH 13. STATE

**Lea**

**N.M.**

**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

**W. N. Price Estate**

3. ADDRESS OF OPERATOR

**7th. Floor Amarillo Bldg., Amarillo, Tex., 79101**

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

**330' FSL & 2310' FWL of Section 9.**

14. PERMIT NO.

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

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

**On April 8, 1964, this well was partially plugged by placing a solid cement plug from a depth of 500' from the surface to total depth of 2685'.**

**On December 15, 1969, plugging was completed by placing a 10 sack surface plug, erecting regulation well marker, and cleaning location.**

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

SIGNED

TITLE

**Engineer**

DATE **12-28-69**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED**

**FEB 12 1970**

\*See Instructions on Reverse Side

**J. L. GORDON**  
**ACTING DISTRICT ENGINEER**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPL  
(Other instruction:  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 036259

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burner

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Halfway

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 9, T20S, R32E

12. COUNTY OR PARISH

Lea

13. STATE

New Mex

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or ~~thicken~~ or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

W. N. PRICE

3. ADDRESS OF OPERATOR

c/o G. Kelley Stout, 606 W. Grand, Artesia, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface330' from South line and 2310 from West  
line of Section 9

14. PERMIT NO.

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

3457

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Partial Abandonment ☒(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.)\*

4/7/64: Ran 2" tubing to plugged back total depth of 2685 feet. Placed neat cement plug from depth of 2685 feet to depth of 1246 feet. Attempted to cut off and pull 7" casing at 1200', 1000', 850', and 650', but apparently cement from previous squeeze job at 1506 feet filled annulus behind 7" casing. Ran 2" tubing back to depth of 1246 feet and set cement plug from depth of 1246 feet to depth of 500 feet. Well now has solid cement plug from depth of 500 feet to total depth. Top salt 945'. Base of salt 2285'. Work completed 4/8/64. Checked top of cement plug with tubing.

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

SIGNED

TITLE

Owner

DATE

5/15/64

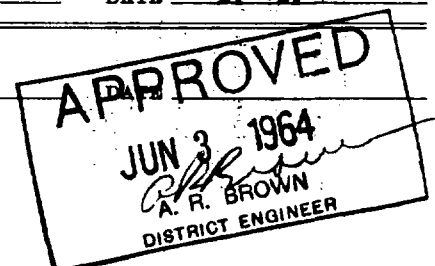
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 059000  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYRECEIVED  
SEP 28 1951  
OIL CONSERVATION COMMISSION  
HOBBS-OFFICE

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company David C. Salkin Address P. O. Box 96, Artesia, New Mexico  
Lessor or Tract B. A. Burner Field Halfway State New Mexico  
Well No. 4 Sec. 9 T. 20 R. 32 Meridian N.M.P. County Lea  
Location 330 ft. N. of S Line and 2310 ft. E. of W Line of 9-20-32 Elevation 3457  
(Derive floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Shelia P. LanningDate 9-7-51Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling July 17, 1951 Finished drilling August 15, 1951

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2653 to 2667 Light Show No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 2683 to 2685 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 375 to 385 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"			Used	450	Tex	Pulled all			shut off water
8 5/8"									
7 1/2"									Oil string

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
1 5/8"	959	50	Halliburton		
7"	2671	150	"		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_ September 1, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

W. C. Garner \_\_\_\_\_, Driller H. C. Gracey \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	7	7	Caliche
7	25	18	Sand and shale
25	95	70	Red Bed
95	105	10	Red Sandstone
105	135	30	Red rock
135	195	60	Red shale
195	215	20	Sand & water 4 bbls. per hr.
215	280	65	Red rock 1/4 bbl. hr.
280	315	35	Sand & water 12 bbls. hr.
315	375	60	red shale 1/2
375	385	10	sand & water
385	475	90	red shale 1/2
475	510	35	red shale 1/2
510	515	5	red shale 1/2
515	520	5	red shale 1/2
520	525	5	red shale 1/2
525	530	5	red shale 1/2
530	535	5	red shale 1/2
535	540	5	red shale 1/2
540	545	5	red shale 1/2
545	550	5	red shale 1/2
550	555	5	red shale 1/2
555	560	5	red shale 1/2
560	565	5	red shale 1/2
565	570	5	red shale 1/2
570	575	5	red shale 1/2
575	580	5	red shale 1/2
580	585	5	red shale 1/2
585	590	5	red shale 1/2
590	595	5	red shale 1/2
595	600	5	red shale 1/2
600	605	5	red shale 1/2
605	610	5	red shale 1/2
610	615	5	red shale 1/2
615	620	5	red shale 1/2
620	625	5	red shale 1/2
625	630	5	red shale 1/2
630	635	5	red shale 1/2
635	640	5	red shale 1/2
640	645	5	red shale 1/2
645	650	5	red shale 1/2
650	655	5	red shale 1/2
655	660	5	red shale 1/2
660	665	5	red shale 1/2
665	670	5	red shale 1/2
670	675	5	red shale 1/2
675	680	5	red shale 1/2
680	685	5	red shale 1/2
685	690	5	red shale 1/2
690	695	5	red shale 1/2
695	700	5	red shale 1/2
700	705	5	red shale 1/2
705	710	5	red shale 1/2
710	715	5	red shale 1/2
715	720	5	red shale 1/2
720	725	5	red shale 1/2
725	730	5	red shale 1/2
730	735	5	red shale 1/2
735	740	5	red shale 1/2
740	745	5	red shale 1/2
745	750	5	red shale 1/2
750	755	5	red shale 1/2
755	760	5	red shale 1/2
760	765	5	red shale 1/2
765	770	5	red shale 1/2
770	775	5	red shale 1/2
775	780	5	red shale 1/2
780	785	5	red shale 1/2
785	790	5	red shale 1/2
790	795	5	red shale 1/2
795	800	5	red shale 1/2
800	805	5	red shale 1/2
805	810	5	red shale 1/2
810	815	5	red shale 1/2
815	820	5	red shale 1/2
820	825	5	red shale 1/2
825	830	5	red shale 1/2
830	835	5	red shale 1/2
835	840	5	red shale 1/2
840	845	5	red shale 1/2
845	850	5	red shale 1/2
850	855	5	red shale 1/2
855	860	5	red shale 1/2
860	865	5	red shale 1/2
865	870	5	red shale 1/2
870	875	5	red shale 1/2
875	880	5	red shale 1/2
880	885	5	red shale 1/2
885	890	5	red shale 1/2
890	895	5	red shale 1/2
895	900	5	red shale 1/2
900	905	5	red shale 1/2
905	910	5	red shale 1/2
910	915	5	red shale 1/2
915	920	5	red shale 1/2
920	925	5	red shale 1/2
925	930	5	red shale 1/2
930	935	5	red shale 1/2
935	940	5	red shale 1/2
940	945	5	red shale 1/2
945	950	5	red shale 1/2
950	955	5	red shale 1/2
955	960	5	red shale 1/2
960	965	5	red shale 1/2
965	970	5	red shale 1/2
970	975	5	red shale 1/2
975	980	5	red shale 1/2
980	985	5	red shale 1/2
985	990	5	red shale 1/2
990	995	5	red shale 1/2
995	1000	5	red shale 1/2

FORMATION RECORD—Continued

## FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION	10-13004-3
475	520	55	red rock	
520	570	50	red shale	
570	780	red rock	and shale	
789	860	80	red shale - top Anhy.	
860	935	75	Anhy.	
935	945	10	blue shale	
945	1000	55	Anhy. - top of salt	
1000	1070	70	salt	
1070	1115	45	Anhy.	
1115	1125	10	red shale	
1125	1153	30	Anhy.	
1153	1215	60	red shale	
1215	1627	412	salt	
1627	1639	12	salt and anhy.	
1639	1663	24	red shale and salt	
1663	1970	307	salt	
1970	1990	20	Anhy.	
1990	2030	40	salt and anhy.	
2030	2080	50	salt	
2080	2095	15	Anhy.	
2095	2120	25	salt	
2120	2132	12	Anhy.	
2132	2145	13	salt	
2145	2155	10	Anhy.	
2155	2170	15	salt, anhy. & shells.	
2170	2180	10	salt	
2180	2200	20	Anhy.	
2200	2285	85	salt	
2285	2345	60	Anhy.	
2345	2385	40	grey lime	
2385	2393	8	brown lime shale	
2393	2455	62	grey lime	
2455	2462	7	blue shale	
2462	2478	16	sandy lime	
2478	2490	12	blue shale	
2490	2500	10	pink lime	
2500	2507	7	pink, grey lime	
2507	2513	6	grey lime	
2513	2520	7	pink lime	
2520	2530	10	grey lime	
2530	2539	9	lime and sand	
2539	2553	14	grey and pink lime	
2553	2567	14	grey lime	
2567	2623	56	lime and shale	
2623	2667	44	show oil, 2 1/2 gals hr.	
2667	2672	5	show oil, 14 gals hr.	
2672	2678	6	light grey lime	
2678	2682	4	dark grey sandy lime.	
2682	2684	2	brown lime - show oil, 2 1/2 bbls. water 4 bbls. of	
2684	2685	1	brown lime - 5 1/3 bbls. fluid	
2685	2686	1	grey lime - 5 1/3 bbls.	
2686	2687	1	white lime, increase in water, plugged back from 2687 to 2685.	
			Total depth after plugging back, 2685.	

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-7

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-5230-1	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator JFG Enterprise		8. Farm or Lease Name Little Eddy Unit
3. Address of Operator P.O. Box 100, Artesia, NM 88211-0100		9. Well No. 16-F
4. Location of Well UNIT LETTER F, 2310 FEET FROM THE North LINE AND 2310 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 20S RANGE 32E NMPM.		10. Field and Pool, or Whdcat Halfway-Yates
15. Elevation (Show whether DF, RT, GR, etc.) 3510 DF		12. County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
LL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 2-11-87 Rig up Pulling Unit, lay down rods and pump. Pull 2 7/8" tubing. Pick up and run 2 3/8" Tubing. Tag up at 2590 ft. Pull 1 joint. End of tubing 2560'. Shut down - Will spot tubing next A.M.  
NOTE: End of 4 1/2" Casing at 2587 ft., original TD 2591 ft.
- 2-12-87 Rid up Denton Cement Co. Spot 20 sk. plug at 2560 ft. w/4% Cal. Clr. Class "C" Cement - wait 2 1/2 hrs. Tag up at 2130 ft. 430 ft. fill. Mix 50 sks. Cl "C". Spot at 2130 ft. Pull 730 ft. Mix & pump 50 sk. plug @ 1400 ft. Casing went on vacuum - Pull out of hole. Shut down, will tag next A.M.
- 2-13-87 Run Wire Line-Tag cement 2024 ft. Fluid level 1400 ft. from surface. Mix 20 sks. Class "C" w/4% Cal. Cl. at 1610 ft. Pull up. After 2 hrs. tag with wire line @ 1992 ft. 32 ft. fill. Run tubing to 1610 ft. Mix 20 sks. Cl "C" w/4%. Tag w/wire line 1785 ft. Mix & pump 50 sks. Cl "C" w/2% Cal. Clr. Pull 23 jts. Shut down - 29 jts. in hole = 906 jts.
- 2-16-87 Ran Wire Line - Tag up 1785 ft. No fill - Mix & pump 20 sk. Cl "C" w/2% Cal. Clr. Tag 2 1/2 hrs. 1636 ft. 149 ft. fill. - Mix 20 sks. 2% Cal. Clr. Tag 2 hrs. 1536' - 100 ft. fill. Mix & pump 30 sks. Cl "C" w/2% = 2 hrs. 1230 ft. = 306 ft. fill. Mix 30 sks. Tag up 1490 ft. Mix 20 sks. 2% Cal. Clr. Pull Tubing. Shut down  
(OVER)

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

SIGNED \_\_\_\_\_ TITLE Agent DATE 3-25-87

APPROVED BY R. S. Miller TITLE OIL & GAS INSPECTOR DATE JAN - 4 1988

CONDITIONS OF APPROVAL, IF ANY:

- 2-17-87 Tag Up w/wire line 1560 ft. Lost 70 ft. Run tubing to 1600 ft. Mix & pump 20 sks. C1 "C" w/2% Cal. Clr. Tag up at 1377 ft. - 183 ft. fill. Let set 2 hrs. 45 min. Mix & pump 30 sks. C1 "C" w/2%. Shut down.
- 2-18-87 Tag up 988 ft. Mix & pump 40 sks. C1 "C" w/2%. Tag up 500 ft. Mix 40 more sks. C1 "C" w/2% Cal Clr. Casing full cement, used total 460 sks. Install Dry Hole Marker, rig down.

NOTE: Plugging operations witnessed by New Mexico Oil Commission representative Jack Griffin.

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Form C-105  
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FEB 21 1 19 PM '67

6a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
State Oil & Gas Lease No.	
E-5230-1	

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name Little Eddy Unit
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name State
2. Name of Operator William W. Lomerson (Agent for Perry R. Bass - Unit Operator)		9. Well No. 16
3. Address of Operator 2206 Continental Life Bldg., Fort Worth, Texas 76102		10. Field and Pool, or Wildcat Halfway
4. Location of Well UNIT LETTER <u>W</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>20S</u> RGE. <u>32E</u> NMPM		12. County Lea
15. Date Spudded 12-12-66	16. Date T.D. Reached 1-16-67	17. Date Compl. (Ready to Prod.) 2-1-67
18. Elevations (DF, RKB, RT, GR, etc.) GL 3509 DF 3510		19. Elev. Casinghead 3510
20. Total Depth 2584'	21. Plug Back T.D. —	22. If Multiple Compl., How Many —
23. Intervals Drilled By Rotary Tools Cable Tools 0 - 2584'		24. Producing Interval(s), of this completion — Top, Bottom, Name 2577' - 2584' Seven Rivers Reef
25. Was Directional Survey Made No		26. Type Electric and Other Logs Run Gamma Ray - Density (Schlumberger)
27. Was Well Cored No		

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	20#	885'	10"	250 sx Incor (circ.)	—
7"	20#	2378'	8"	25 sx Regular	0 - 2051'
4 1/2"	9 1/2#	2546'	6 1/4"	600 sx Incor w/ 2% cc.	—
				2% gel 1st 350 sx.	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	2574
31. Perforation Record (Interval, size and number) ( Open hole 2546' - 2584' )				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED ( Natural )		

33. PRODUCTION							
Date First Production 2-1-67		Production Method (Flowing, gas lift, pumping — Size and type pump) Pumping. 1-25/32" tubing pump.				Well Status (Prod. or Shut-in) Producing.	
Date of Test 2-8-67	Hours Tested 24	Choke Size	Prod'n. For Test Period 28.65	Oil — Bbl. TSTM	Gas — MCF 168	Water — Bbl. —	Gas — Oil Ratio —
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate 28.65	Oil — Bbl. TSTM	Gas — MCF 168	Water — Bbl. 27.00	Oil Gravity — API (Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented						Test Witnessed By J. V. Short	

35. List of Attachments

36. 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.

SIGNED R. W. Lomerson Agent DATE 2-18-67

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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.

FEB 21 1 19 PM '67

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy <u>867</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1006</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt <u>2273</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2430</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>2577</u>	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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. <u>Tansill 2316</u>	T. Chinle _____	T. _____
T. Penn. _____	T. <u>Ocatillo 2347</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## FORMATION RECORD (Attach additional sheets if necessary).

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	15	15	Caliche				
15	30	15	Sand				
30	65	35	Sand and shale				
65	80	15	Water sand (2 Blr's/hr)				
80	90	10	Gravel				
90	135	45	Sand				
135	260	125	Red shale				
260	325	65	Sand (16 Blr's/hr)				
325	340	15	Red shale				
340	390	50	Blue-gy shale				
390	867	477	Red shale				
867	1006	139	Anhy w/ red shale				
1006	2263	1257	Salt				
2263	2317	54	Anhydrite				
2317	2342	25	Dolomite				
2342	2365	23	Sand and Dolomite				
2365	2427	62	Dolomite				
2427	2468	41	Sand w/ some dolomite				
2468	2494	26	Dolomite				
2494	2518	24	Sand w/ some dolomite				
2518	2566	48	Dolomite				
2566	2573	7	Sand and dolomite				
2573	2581	8	Dolomite				
581	2588	7	Seven Rivers Reef dolomite with porosity. (1600' of oil in hole).				

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SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> For <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-6568

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator JFG Enterprise	8. Firm or Lease Name Phillips State
3. Address of Operator P.O. Box 100, Artesia, NM 88211-0100	9. Well No. 1
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>20S</u> RANGE <u>32E</u> N.M.P.M.	10. Field and Pool, or Wildcat Halfway Yates
15. Elevation (Show whether DF, RT, GR, etc.) 3516 DF	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
ILL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any pro work) SEE RULE 1103.

- 3-16-87 Tag bottom @ 2674' - Pump 20 sack Plug Class C w/Calc. @ 2644' - wait 2 1/2 hrs. Tag plug @ 2544' (100' fill).
- 3-17-87 Ran tubing back in hole to 2544' - Pump 30 sack Plug Class C w/Calc. Shut down.
- 3-18-87 Tag top of plug @ 2158' - Go in hole w/tubing. Pump 100 sack Plug Class C Pull 40 jts. 2" tubing - Pump 100 Sack Plug Class C - Pull 329' 4 1/2" Casing, Shut down.
- 3-19-87 Tag top of plug @ 325' - Go in hole w/tubing & pump 75 sack Plug Class C w/Calc. - Pull out of hole - Casing full & holding. - Set Dry Hole Marker. Rig down. Total Cement: 325 Sacks Class C.
- 3-23-87 Haul tubing and rods to yard. Will start clean-up 4-1-87.

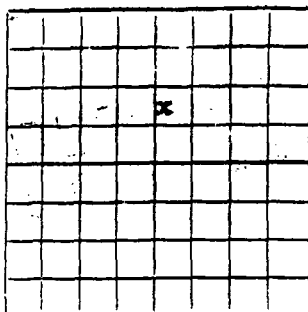
NOTE: Plugging operation witnessed by New Mexico Oil Commission Representative - Ray Smith.

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

SIGNED \_\_\_\_\_ TITLE Agent DATE 3-25-87

APPROVED BY R. Adulla TITLE OIL & GAS INSPECTOR DATE JAN - 4 1988





Sec. 16

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

I. W. LOVELADY

Phillips-State

(Company or Operator)

(Lease)

Well No. 1, in SW  $\frac{1}{4}$  of NE  $\frac{1}{4}$ , of Sec. 16, T. 20S, R. 32E, NMPM.HalfwayPool, Lea

County.

Well is 1980 feet from North line and 2310 feet from E lineof Section 16. If State Land the Oil and Gas Lease No. is E-6568Drilling Commenced 5/6/60, 19..... Drilling was Completed 5/29/60, 19.....Name of Drilling Contractor Leadless Drilling Co., Inc.Address Yuron Rd., Odessa, TexasElevation above sea level at Top of Tubing Head 3518 DE The information given is to be kept confidential untilNot, 19.....

## OIL SANDS OR ZONES

No. 1, from 2547 to 2552 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

## IMPORTANT WATER SANDS

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

No. 1, from 2634 to 2640 to ..... feet Sulphur Water

No. 2, from ..... to ..... feet .....

No. 3, from ..... to ..... feet .....

No. 4, from ..... to ..... feet .....

## CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOES	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10-3/4"	32.75#	N	1154'	Tex Pattern	-	-	Surface
7"	23#	N	2416'	Halliburton Guide Shoes	-	-	Intermediate protec
4-1/2"	9.5#	N	2714'	Halliburton Guide Shoes	2547'	-	Production
2" tbg at	2552'			Float		w/h	

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10-3/4"	10-3/4"	1154'	600 sz 50/50 Pozmix	6# gal	—circ	
8-3/4"	7"	2416'	500 sz 50/50 1# gal	1# CC circ		
6-3/4"	4-1/2"	2714'	40 sz 50/50 Pozmix	1/4# Floccal		

## RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qtz. or Gals. used, interval treated or shot.)

1/250 gal HAResult of Production Stimulation Well made 36 BD 17 BW 24 hrs open Qty 29°

Depth Cleaned Out .....

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to TD 2714' feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing 5/22/60, 19

OIL WELL: The production during the first 24 hours was 36 BO 17 BW barrels of liquid of which was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 29 °

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.	850		T. Devonian		T. Ojo Alamo
T. Salt	1230		T. Silurian		T. Kirtland-Fruitland
B. Salt	2345		T. Montoya		T. Farmington
T. Yates	2443		T. Simpson		T. Pictured Cliffs
T. 7 Rivers			T. McKee		T. Menefee
T. Queen			T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres			T. Granite		T. Dakota
T. Glorieta			T.		T. Morrison
T. Drinkard			T.		T. Penn.
T. Tubbs			T.		T.
T. Abo			T.		T.
T. Penn.			T.		T.
T. Miss.			T.		T.

## FORMATION RECORD

2 c also log

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	530	530	Anhy				
530	690	160	Lime				
690	1160	470	Anhy				
1160	1240	80	" & potash				
1240	2323	1083	Salt & potash				
2323	2416	93	"				
2416	2515	99	Anhy & Lime				
2515	2525	10	Lime				
2525	2560	35	Dolo				
2560	2580	20	" & Anhy				
2580	2600	20	Dolo				
2600	2620	20	" & Anhy				
2620	2660	40	" & Shale				
2660	2700	40	"				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it as can be determined from available records.

June 14, 1960

Company or Operator I. M. LOVELAND

Address c/o Oil Reports Box 743 Hobbs, N.M.

Name Agent

Position or Title

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C  
Revised

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☒ XX

5. State Oil & Gas Lease No.

## 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" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

JFG Enterprise

Address of Operator

701 East Main / P. O. Box 100

Location of Well

UNIT LETTER J 2210 FEET FROM THE North of South LINE AND 2310 FEET FROM

THE West of East LINE, SECTION 16 TOWNSHIP 20-SS RANGE 32-E NMPM.

7. Unit Agreement Name

8. Firm or Lease Name

9. Well No.

10. Field and Pool, or Wildcat  
Halfway Yates

15. Elevation (Show whether DF, RF, CR, etc.)

12. County  
LeaCheck Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐

ALTERING CASING

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPER.

X PLUG AND ABANDON

ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOBS ☐OTHER ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any work) SEE RULE 1103.

- 1). Spot 150 sxs cement at 2265 W.O.C. tag at 2186
- 2). Spot 50 sxs cement at 2186 W.O.C. tag at 2067
- 3). Spot 50 sxs cement at 2067 W.O.C. tag at 1818
- 4). Spot 80 sxs cement at 1818 W.O.C. tag at 1427
- 5). Spot 80 sxs cement at 1427 W.O.C. tag at 1055
- 6). Spot 105 sxs cement at 1055 W.O.C. tag at 378
- 7). Spot 80 sxs cement at 378 circulate to surface
- 8). Spot 15 sxs cement at surface to load hole to top set P.A. marker.

by certify that the information above is true and complete to the best of my knowledge and belief.

VEN

TITLE

DATE

APPROVED BY

TITLE

DATE

OIL &amp; GAS INSPECTOR

DEC 31 '92

✓

PLUG & ABANDONMENT FORM

API NO. \_\_\_\_\_

OPERATOR

JFG Enterprises

LEASE NAME

Phillips State

WELL NO.

4

SEC.

16

TWP.

20

RANGE

32

UNIT

J

Date plugging operations began -

9-3-92

Date plugging operations completed -

9-10-92

Name of plugging company -

PRIDE SERVICES

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed By:

Larry W. Hill

Date:

9-10-92

FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

AND  
A. PERMIZATION TO TRANSPORT OIL AND NATURAL GAS

EFFECTIVE 1-1-65

I. OPERATOR

Operator **BEARING SERVICE & SUPPLY CO., INC.**

Address **BOX 100, ARTESIA, NEW MEXICO 88210**

Reason(s) for filing (Check proper box)

New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐

Recompletion ☒ Oil ☐ Casinghead Gas ☐ Condensate ☐

Change in Ownership ☒

Other (Please explain)

If change of ownership give name and address of previous owner **David C. Saiken**

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Texas State "B"</b>	Well No., Pool Name, Including Formation <b>4 Halfway</b>	Kind of Lease <b>State</b>	Lease No. <b>L-575</b>
Location			
Unit Letter <b>J</b>	2210 Feet From The <b>South</b> Line and	2310 Feet From The <b>East</b>	
Line of Section <b>16</b>	Township <b>20 S.</b>	Range <b>32 E.</b>	Section <b>Lea</b>

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>The Permian Corporation</b>	<b>P. O. Box 1183, Houston, Texas 77001</b>
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)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> New Well <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Reservoir <input type="checkbox"/> Diff. Res. <input type="checkbox"/>
Date Spudded <b>4/16/51</b>	Date Compl. Ready to Prod. <b>6/13/51</b>
Total Depth <b>2668'</b>	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.) <b>3511</b>	Name of Producing Formation <b>Seven Rivers</b>
Top Oil/Gas Pay <b>2665</b>	Tubing Depth <b>1500 ft.</b>
Perforations	Depth Casing Shoe <b>2490 ft.</b>
TUBING, CASING, AND CEMENTING RECORD	
HOLE SIZE <b>10"</b>	CASING & TUBING SIZE <b>7" 8rd. 20.00</b>
DEPTH SET <b>2490</b>	SACKS CEMENT <b>650 Sacks</b>

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 or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

**L. D. Fletcher**  
(Signature)  
**AGENT**  
(Title)  
**January 5, 1973**  
(Date)

OIL CONSERVATION COMMISSION

APPROVED **Jan 8 1973**  
BY **Joe D. Ramsey**  
TITLE **Dist. I, Supv.**

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for all wells on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiple completed wells.

**DUPLICATE**

## MICO OIL CONSERVATION COMM.

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELL

AUG 5 1946

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	<b>X</b>		

Fort Worth 2, Texas

Place

July 5, 1946

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Argo Oil Corporation

Company or Operator

State

Well No. 1

in the

Lease

S<sub>1</sub> E<sub>1</sub> M<sub>1</sub>

of Sec. 16

T. 20S

R. 32E

N. M. P. M.,

Halfway

Field,

Lee

County

The dates of this work were as follows: June 26, 1946

Notice of intention to do the work was (was not) submitted on Form C-102 on May 21 19 46  
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom of 7" casing w/ 10 sacks and recovered approximately 1200'. Cemented bottom of 8 5/8" casing w/ 10 sacks and recovered approximately 450'. All hole filled w/ mud and 4" marker cemented in cellar.

Witnessed by R. Ingersoll

Name

Argo Oil Corporation

Company

Production Foreman

Title

Subscribed and sworn to before me this 5

day of July, 19 46

*Ruth Reed*  
Notary Public

RUTH REED

My Commission expires June 1, 1947

I hereby swear or affirm that the information given above is true and correct.

Name

Position District Superintendent

Representing Argo Oil Corporation

Company or Operator

1406 Fort Worth Natl. Bank Bldg.,

Address Fort Worth 2, Texas

Remarks:

APPROVED

Date AUG 5 1946

*Roy. Yankovich*  
Name

Oil &amp; Gas Inspector

Title



# MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHICH SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10	8-5/8	946	50	Halliburton		
8	7	2613	50	Halliburton		

# PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

# RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment \_\_\_\_\_

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

# TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from 0 feet to 2627 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

# PRODUCTION

Put to producing February 9, 19 40  
 The production of the first 24 hours was 25 Bbls Per hour barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. 24  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES of **C. A. Martin, Drilling Contractor.**

**O. C. Westfall**

Driller **H. R. Martin** Driller

**H. C. Morris**

Driller **V. W. Hart** Driller

# FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 9th

**Hobbs, New Mexico**

day of February 19 40

Place \_\_\_\_\_ Date \_\_\_\_\_

Name R. L. Simon

Position **District Superintendent**

Representing **Argo Oil Corporation**

Address **1409 Ft. Worth Nat'l Bank Bldg.  
Fort Worth, Texas**

My Commission expires Sept. 22, 1942

Notary Public



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	15	15	Caliche
15	75	60	Sandy shale red
75	145	70	Red rock
145	215	70	Red shale
215	225	10	Sand
225	235	10	Red rock
235	245	10	Red shale
245	260	15	Water sand
260	285	25	Red shale
285	330	45	Red rock sandy
330	400	70	Red shale sandy
400	455	55	Red rock
455	610	155	Red shale
610	630	20	Red rock
630	685	55	Red shale hard
685	755	70	Red rock
755	800	45	Red shale
800	845	45	Red rock
845	875	30	Red shale
875	910	35	Anhydrite
910	920	10	Red shale
920	1020	100	Anhydrite
1020	1070	50	Salt
1070	1080	10	Potash, hard red
1080	1090	10	Red rock
1090	1125	35	Anhydrite
1125	1140	15	Red rock
1140	1160	20	Salt
1160	1177	17	Anhydrite
1177	1190	13	Salt
1190	1235	45	Salt & red rock
1235	1275	40	Salt
1275	1325	50	Salt & potash
1325	1380	55	Salt
1380	1395	15	Anhydrite
1395	1500	105	Salt
1500	1517	17	Anhydrite
1517	1990	473	Salt
1990	2002	12	Anhydrite
2002	2017	15	Salt
2017	2030	13	Anhydrite
2030	2175	145	Salt
2175	2195	20	Anhydrite hard
2195	2300	105	Salt
2300	2328	28	Anhydrite hard
2328	2366	38	Lime hard gray
2366	2369	3	Red rock
2369	2426	57	Lime hard gray
2426	2450	24	Lime hard brown
2450	2478	28	Sandy lime
2478	2486	8	Lime hard brown
2486	2497	11	Lime hard gray
2497	2507	10	Lime hard brown
2507	2519	12	Lime hard gray
2519	2546	27	Lime med. - gray
2546	2580	34	Lime hard gray
2580	2585	5	Lime hard gray
2585	2590	5	Soft Sand Show Gas
2590	2625	35	Gray Lime Hard
2625	2627	2	Lime Soft Oil.

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
MISCELLANEOUS REPORTS ON WELL

RECEIVED  
AUG 5 1946  
HARRIS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within 30 days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging or well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Fort Worth 2, Texas  
Place

July 5, 1946  
Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_

Argo Oil Corporation State TX Well No. 2 in the  
Company or Operator Lease  
S<sub>1</sub> W<sub>1</sub> N<sub>1</sub> of Sec. 16 T. 20S, R. 32E, N. M. P. M.,  
Halfway Field, Lee County

The dates of this work were as follows: June 27, 1946

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on May 21, 1946 19\_\_\_\_ and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom of 7" casing w/ 10 sacks and recovered approximately 1600'. Cemented bottom of 8 5/8" casing w/ 10 sacks and recovered approximately 450'. All hole filled w/ mud and 4" marker cemented in cellar.

Witnessed by R. Ingersoll Argo Oil Corporation Production Foreman  
Name Company Title

Subscribed and sworn to before me this 5

day of July, 1946

Ruth Reed  
Notary Public

RUTH REED

My Commission expires June 1, 1947

I hereby swear or affirm that the information given above is true and correct.

Name [Signature]

Position District Superintendent

Representing Argo Oil Corporation  
Company or Operator

Address 1406 Fort Worth Natl. Bank Bldg.,  
Fort Worth 2, Texas

Remarks:

APPROVED

Date \_\_\_\_\_

[Signature]  
Name  
[Signature]  
Title

**Santa Fe, New Mexico**

RECEIVED  
MAR 25 1940  
HOBBS OFFICE

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPPLICATE.**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Argo Oil Corporation      1409 Ft. Worth Nat'l Bank Bldg. Fort Worth, Texas

State \_\_\_\_\_ Company or Operator \_\_\_\_\_ Address \_\_\_\_\_  
Well No. 2 in S 1 W 1 N 1 of Sec. 16, T. 20 S  
House \_\_\_\_\_  
R. 32 E N. M. P. M., Halfway Field, Lea Country.

Well is 2310 feet south of the North line and 4290 feet west of the East line of Sec 16-20S-32E

If State land the oil and gas lease is No. B-3277 Assignment No. 1

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_

The Lessee is Argo Oil Corporation Address Fort Worth, Texas

Drilling commenced **February 2** 19**40** Drilling was completed **March 17** 19**40**

Name of drilling contractor C. A. Martin Address El Mirador Apts., Carlsbad, New Mex.

Elevation above sea level at top of casing 3510 feet.

The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_

### OIL SANDS OR ZONES

No. 1. from 2688 to 2689' 6" TD No. 4. from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

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

No. 1, from 170 to 225 feet. 4 bailers per hour

No. 2, from 365 to 385 feet. 10 bailers per hour

No. 3. from 390 to 400 feet. 12 bails per hour

No. 4. from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

## CASING RECORD

[illegible]

No. 2. from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_  
No. 3. from 385 390 to 400 feet. 12 bailers per hour  
No. 4. from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

#### CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOT	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
10 7/8	40.5	8	Ygst	450					Pulled after 8-5/8" was cemented.
8-5/8	28	8	Ygst	950	Larkin				Surface
7"	22	10	Ygst	2626	Larkin				Oil string

#### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHIRL SPT	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10	8-5/8	950	50	Halliburton		
8	7	2626	50	Halliburton		

#### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

#### RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
1000 gals		acid		3/18/40	2688 - 894	

Results of shooting or chemical treatment 230 bbls oil in 12 hours, swabbing.

#### RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

#### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 2689 1/2 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

#### PRODUCTION

Put to producing March 21 40  
The production of the first 24 hours was 230 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 26  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

#### EMPLOYEES of C. A. Martin, Drilling Contractor

O. C. Westfall Driller H. E. Martin Driller  
H. C. Morris Driller V. W. Hart Driller

#### FORMATION RECORD ON OTHER SIDE

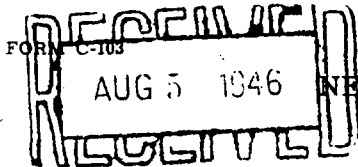
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 21st  
day of March 1940  
[Signature]  
Notary Public  
My Commission expires June 1, 1941

Fort Worth, Texas March 21, 1940  
Place Date  
Name [Signature]  
Position Dist. Superintendent  
Representing Argo Oil Corporation  
Company or Operator  
Address 1409 Ft. Worth Nat'l Bank Bldg.  
Fort Worth, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	115	95	Shale soft red
115	170	55	Red rock
170	330	160	Sandy shale red
330	365	35	Red rock
365	385	20	Sand
385	425	40	Sandy red shale
425	475	50	Shale red
475	525	50	Red rock
525	580	55	Red shale
580	710	130	Sandy shale red
710	725	15	Red rock
725	735	10	Anhydrite
735	805	70	Sandy shale red
805	870	65	Red rock
870	910	40	Anhydrite
910	915	5	Shale soft red
915	935	20	Anhydrite & shale
935	1018	83	Anhydrite hard
1018	1075	57	Salt
1075	1080	5	Potash
1080	1085	5	Shale blue soft
1085	1125	40	Anhydrite hard
1125	1135	10	Red rock
1135	1160	25	Salt
1160	1175	15	Anhydrite hard
1175	1260	85	Salt & potash
1260	1315	55	Salt & red rock
1315	1375	60	Salt
1375	1390	15	Anhydrite hard
1390	1500	110	Salt
1500	1520	20	Anhydrite hard
1520	1900	380	Salt
1900	1940	40	Salt & potash
1940	2000	60	Salt
2000	2010	10	Anhydrite
2010	2030	20	Salt
2030	2038	8	Anhydrite
2038	2070	32	Salt & potash
2070	2175	105	Salt
2175	2205	30	Anhydrite
2205	2300	95	Salt
2300	2315	15	Anhydrite & brown lime hard
2315	2333	18	Anhydrite & brown lime hard
2333	2385	52	lime hard gray
2385	2388	3	Shale soft blue
2388	2438	50	lime hard gray
2438	2449	11	lime hard brown
2449	2475	26	lime hard gray
2475	2502	27	lime hard brown
2502	2509	7	lime hard gray
2509	2545	36	lime hard brown
2545	2589	44	lime hard gray
2589	2599	10	Sand
2599	2610	11	lime hard brown
2610	2677	67	lime hard gray
2677	2679	2	lime hard brown
2679	2682	3	lime soft gray
2682	2688	6	lime hard gray
2688	2689 6'	1 6 6	lime med. gray TD.



FORM C-103

AUG 5 1946

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELL

DUPLICATE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Fort Worth 2, Texas

Place

July 5, 1946

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Argo Oil Corporation

State

Well No. 3 in the

Company or Operator

Lease

SE 1/4 NW 1/4 of Sec. 16

T. 20S

R. 32E, N. M. P. M.,

Halfway

Field,

Lea

County

The dates of this work were as follows:

June 28, 1946

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on May 21 1946and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom of 7" casing w/ 10 sacks and recovered approximately 1600'. Cemented bottom of 8 5/8" casing w/ 10 sacks and recovered approximately 450'. All hole filled w/ mud and 4" marker cemented in cellar.

Witnessed by	R. Ingersoll	Argo Oil Corporation	Production Foreman.
	Name	Company	Title

Subscribed and sworn to before me this	5
day of	July, 1946
RUTH REED	Notary Public
My Commission expires	June 1, 1947

I hereby swear or affirm that the information given above is true and correct
Name
Position District Superintendent
Representing Argo Oil Corporation
Company or Operator
Address 1406 Fort Worth Natl. Bank Bldg., Fort Worth 2, Texas

Remarks:

APPROVED

Date AUG 5 1946

Roy Yarborough  
Title

FORM C-105

**N**

## NEW MEXICO OIL CONSERVATION COMMISSION

**Santa Fe, New Mexico**

## WELL RECORD

RECEIVED  
MAR 28 1941  
HOBBS OFFICE

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPLICATE.**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Argo Oil Corporation

Drawer "L"

**Seagraves, Texas**

Company or Operator

**Address**

State

Well No. \_\_\_\_\_

3

in

of Sec

10

20-8

## Lounge

R. 32-2 N. M. P. M., Halfway Field, Lee County.

Well is 990 feet south of the North line and 2970 feet west of the East line of Sec. 16-20S-32E.

If State land the oil and gas lease is No. B-3277 Assignment No. 1

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_

The Lessee is \_\_\_\_\_, Address \_\_\_\_\_

Drilling commenced February 9, 19 41 Drilling was completed March 15, 1941 19

Name of drilling contractor C. A. Martin Address El Mirador Apts., Carlsbad, N.M.

Elevation above sea level at top of casing 3489 feet.

The information given is to be kept confidential until June 15, 1941 1941

### OIL SANDS OR ZONES

No. 1, from 2678 to 2681 T.D. No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

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

No. 1, from 183 to 214 feet. 5 bailers per hour

No. 2. from 335 to 375 feet. 18 bailers per hour

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

### CASING RECORD

[illegible]

No. 1. from 183 to 214 feet. 5 bailers per hour  
No. 2. from 335 to 375 feet. 18 bailers per hour  
No. 3. from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4. from \_\_\_\_\_ to \_\_\_\_\_ feet.

#### CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
10-3/4"	40.5 #	8	Ygst.	431	PULLED	AFTER 8-5/8" WAS CEMENTED		
8-5/8"	32 #	8	Pitt.	920	Larkin			Surface
7"	20 #	8	Pitt.	2547	Larkin			Oil String

#### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHEN SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8 5/8"	920	50	Halliburton		
8"	7"	2547	50	Halliburton		

#### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

#### RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
	Acid:	15% Dow XX	2000 gals.		2658-63	
	Acid:	15% Dow XX & X	5000 gals.		2658-63	
	Acid:	15% Dow XX	1578 gals.		2655-81	

Results of shooting or chemical treatment. Increased from 5 barrels per hour to 10 barrels  
of oil per hour.

#### RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

#### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 2681 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

#### PRODUCTION

Put to producing March 24, 1941 19\_\_\_\_  
The production of the first 24 hours was 400 barrels of fluid of which 60 % was oil; \_\_\_\_\_ %  
emulsion; 40 % water; and \_\_\_\_\_ % sediment. Gravity, Ba. 25  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

#### EMPLOYEES of C. A. Martin, Contractor

Fred Bond Driller Harold Martin Driller  
Walter Perry Driller R. E. Camp Driller

#### FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 27th  
day of March 19 41  
L. G. Robertson  
Notary Public

My Commission expires June 1, 1942

Seagraves, Texas March 27, 1941  
Name Edna K. Robinson  
Position Production Clerk  
Representing Argo Oil Corporation  
Company or Operator  
Address Drawer 118, Seagraves, Texas



# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	8	8	Cellar
8	15	7	Caliche
15	44	29	Red Sand
44	50	6	Red shale
50	100	50	Red shale
100	150	50	Red rock
150	183	33	Red rock
183	214	31	Sand 5 BWPH @ 205'
214	220	6	Red shale
220	240	20	Red sandy shale
240	300	60	Red sandy shale
300	335	35	Red rock 12 BWPH
335	375	40	Red sandy shale 18 BWPH
375	435	60	Red sandy shale
435	520	45	Red rock
520	565	45	Red shale
565	640	75	Red rock
640	685	45	Red shale
685	740	55	Red rock
740	780	40	Red rock & shale
780	810	30	Red rock
810	852	42	Red shale
852	875	23	Anhydrite
875	880	5	Red shale
880	955	75	Anhydrite
955	985	30	Anhydrite, white
985	1050	65	salt, white
1050	1098	48	Anhydrite
1098	1105	7	Red & blue shale
1105	1115	10	Red shale & salt
1115	1135	20	Salt & red shale
1135	1150	15	White anhydrite
1150	1155	5	Salt & red shale
1155	1255	100	Salt & red rock
1255	1315	60	Salt & potash
1315	1355	40	Salt & anhydrite
1355	1475	120	Salt & potash
1475	1490	15	Anhydrite
1490	1510	20	Salt
1510	1560	50	Salt & potash
1560	1575	15	Salt
1575	1805	225	Salt & potash
1805	1850	45	Salt
1850	1980	130	Salt & potash
1980	1990	10	Anhydrite
1990	2172	182	Salt & potash
2172	2193	21	Anhydrite
2193	2220	27	Salt
2220	2265	45	Salt & potash
2265	2295	30	Salt, white
2295	2330	35	Anhydrite
2330	2340	10	hard gray lime
2340	2355	15	lime
2355	2366	11	gray lime
2366	2370	4	red shale
2370	2382	12	gray lime
2382	2385	3	blue shale
2385	2387	2	gray lime
2387	2397	10	hard gray lime
2397	2423	26	gray lime
2423	2450	27	hard gray lime
2450	2450	20	gray lime
2450	2478	28	broken lime
2478	2485	7	lime
2485	2494	9	red lime
2494	2547	53	gray lime
2547	2550	3	brown lime
2550	2584	34	gray lime
2584	2593	9	broken brown lime
2593	2630	37	gray lime
2630	2635	5	hard gray lime
2635	2650	15	broken lime
2650	2663	13	lime

NO. OF COPIES RECEIVED	
DISTRIBUTION	
DATE	
BY	
AND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-101  
Effective 1-1-65

<p><b>SUNDARY NOTICES AND REPORTS ON WELLS</b> DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL OR TO RE-OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.</p>		<p>5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/></p> <p>5. State Oil &amp; Gas Lease No. B-1436</p>
<p>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>Name of Operator JFG Enterprise</p> <p>Address of Operator P.O. Box 100, Artesia, NM 88211-0100</p> <p>Location of Well UNIT LETTER <u>B</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>20S</u> RANGE <u>32E</u> NMPM.</p>		<p>7. Unit Agreement Name</p> <p>8. Farm or Lease Name Stout State</p> <p>9. Well No. 1</p> <p>10. Field and Pool, or Wildcat Halfway Yates</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.) 3481 DF</p>		<p>12. County Lea</p>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

<p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>ALTER CASING <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOBS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>
--	---	---	--

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 2-18-87 Move in and rig up Pulling Unit. Pick up and run tubing to 2540 ft. Pull up 2510 ft. Shut down.  
NOTE: Had already laid down rods, tubing and 4½" casing, 1826 ft. Tubing set w/pkr. at 2413 ft.
- 2-19-87 Mix and pump 20 sks. Cl. "C" w/4% Cal. Clr. Tag up 2½ hrs. w/tubing 2320 ft. Mix and pump 40 sks. Cl. "C" w/2% Cal. Clr. Pull 630 ft. tubing. Wait 2½ hrs. Tag w/tubing 1990 ft. Mix and pump 100 sks. Cl. "C" 1985 ft. - Pull 25 jts. Shut down - did not circulate. Used 160 sks. cement.
- 2-20-87 Tag up w/tubing at 1690 ft. Mix and pump 100 sks. Cl. "C" w/4% Cal. Clr. @ 1685 ft. Pull 17 jts. Mix and pump 100 sks. at 1180 ft. Pull 17 more jts. Mix and pump 100 sks. at 670 ft. Pull out of hole. Wait 2½ hrs. Return in hole, tag 450 ft. Mix and pump 90 sks. Cl. "C" - Casing full. Install Dry Hole Marker, rig down and release Pulling Unit.

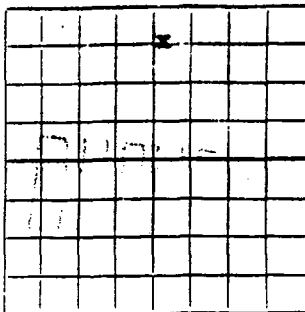
NOTE: Plugging operations witnessed by New Mexico Oil Commission representative Ray Smith.

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

NAME \_\_\_\_\_ TITLE Agent DATE 3-25-87

PROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE JAN - 1987

CONDITIONS OF APPROVAL, IF ANY:



Sec. 16

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

I. W. LOVELADY

Stout-Stage

(Company or Operator) (Lease)  
Well No. 1 in NW  $\frac{1}{4}$  of NE  $\frac{1}{4}$  of Sec. 16, T. 20S, R. 23E, NMPM.  
Halfway Pool 1st County.  
Well is 660' feet from North line and 2310' feet from East line  
of Section 16 If State Land the Oil and Gas Lease No. is B-1435  
Drilling Commenced 5/23/60, 19... Drilling was Completed 5/23/60, 19...  
Name of Drilling Contractor Landloss Drilling Co.  
Address Tukor Road, Odessa, Texas  
Elevation above sea level at Top of Tubing Head 347' The information given is to be kept confidential until  
Not, 19...

OIL SANDS OR ZONES

No. 1, from 2565 to 2571 No. 4, from ... to ...  
No. 2, from ... to ... No. 5, from ... to ...  
No. 3, from ... to ... No. 6, from ... to ...

IMPORTANT WATER SANDS

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

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

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SEAM	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
9-5/8"	32.75#		1152'	Tame Pattern			Surface
7"	23#		2410'	Halliburton Casing			Intermediate Protec
4-1/2"	9.5#		2683'	"		2565-2571'	Prod

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4"	9-5/8"	1152'	500 sz 50/50 Pozmix 1/2 gal 1% C.C. circ			
8-3/4"	7"	2410'	500 sz 50/50 Pozmix 1% C.C. circ			
6-1/8"	4-1/2"	2683'	50 sz 50/50 Pozmix 1/2 gal Floceal			

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

1/500 gal HA

Result of Production Stimulation Well made 35.95 BD 36 BW 24 hrs open Qty 29° @ 84

Depth Cleaned Out

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

2697' TD

Rotary tools were used from 0 feet to 2697 feet, and from 0 feet to 0 feet  
Cable tools were used from 0 feet to 0 feet, and from 0 feet to 0 feet

## PRODUCTION

Put to Producing 6/10/60, 19  
OIL WELL: The production during the first 24 hours was 33.95 BO 86 BW barrels of liquid of which 0% was oil; 0% was emulsion; 0% water; and 0% was sediment. A.P.I. Gravity 29° @ 60  
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.  
Length of Time Shut in

## PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 830	T. Devonian	T. Ojo Alamo	
T. Salt 1195	T. Silurian	T. Kirtland-Fruitland	
B. Salt 2330	T. Montoya	T. Farmington	
T. Yates 2475	T. Simpson	T. Pictured Cliffs	
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash	T. Mancos	
T. San Andres	T. Granite	T. Dakota	
T. Glorieta	T.	T. Morrison	
T. Drinkard	T.	T. Penn	
T. Tubbs	T.	T.	
T. Abo	T.	T.	
T. Penn	T.	T.	
T. Miss	T.	T.	

## FORMATION RECORD

2 c. also logs

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	835	835	Red Bed				
835	1141	286	Gyp & Anhy				
1141	1152	11	Lime				
1152	1459	307	Potash & Salt				
1459	2351	892	" salt & Anhy				
2351	2380	29	Anhy				
2380	2410	30	Lime - 2410-2426-Anhy				
2426	2528	102	Anhy & sand				
2528	2628	100	Lime & Anhy				
2628	2697	69	Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it as can be determined from available records.

June 23, 1960

Company or Operator I. W. LOVELAND Address c/o Oil Reports Box 763 Hobbs, N.M.  
Name Agent Position or Title

FORM C-105

**N**

## NEW MEXICO OIL CONSERVATION COMMISSION

**Santa Fe, New Mexico**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

## WELL RECORDED

REC'D  
DEC 15 1939  
HOBBS OFFICE

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPPLICATE.**

Argo Oil Corporation

1409 Ft. Worth Nat'l Bank Bldg, Fort Worth, Texas

Company or Operator

**Texas-State**

Well No. 1

in: W/2 SW/4

of Sec. 16

**Address**

T. 20 S

R. 32 E <sup>1250</sup>

N. M. P. M.,

## Halfway

Field,

**Lea**

County.

Well is 3300 feet south of the North line and 4620 feet west of the East line of Sec 16-20S-32 E.

If State land the oil and gas lease is No. B-3277 Assignment No. 3

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_

The Lessee is Argo Oil Corporation, Address Fort Worth, Texas

Drilling commenced October 17 1939 Drilling was completed November 14 1939

Name of drilling contractor C. A. Martin, Address Eastland, Texas

Elevation above sea level at top of casing 3510 feet.

The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from 2654 to 2657 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, 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. \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

## CASING RECORD

[illegible]

# **MUDDING AND CEMENTING RECORD**

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10	8-5/8	931	50	Halliburton		
8	7"	2610	50	Halliburton		

## **PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## **RECORD OF SHOOTING OR CHEMICAL TREATMENT**

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Acid	500	11/17/39	2654-2657	

Results of shooting or chemical treatment Increased oil to 10 barrels per hour.

## **RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

### **TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from 0 feet to 2657 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### **PRODUCTION**

Put to producing Nov. 30, 1939  
 The production of the first 24 hours was 240 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 28  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

### **EMPLOYEES of C. A. Martin, Drilling Contractor:**

A. T. Wilhite, Driller O. C. Westfall, Driller  
H. R. Martin, Driller \_\_\_\_\_, Driller

### **FORMATION RECORD ON OTHER SIDE**

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 11th  
December 1939  
 day of \_\_\_\_\_

Notary Public

My Commission expires \_\_\_\_\_

Hobbs, New Mexico

Place

Dec. 11, 1939

Date

Name R. I. Simon

Position District Superintendent

Representing Argo Oil Corporation  
 Company or Operator

Address 1409 Ft. Worth Nat'l Bank Bldg.  
Fort Worth, Texas

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	8	8	Cellar
8	35	27	caliche
35	60	25	red rock
60	130	70	sandy red shale
130	165	35	red rock
165	235	70	red shale
235	435	200	sandy red shale
435	454	19	red shale
454	495	41	red rock
495	560	65	sandy red shale
560	875	315	red shale
875	907	32	anhydrite
907	927	20	<del>salt</del> red rock
927	1025	98	anhydrite
1025	1075	50	salt
1075	1095	20	potash & red rock
1095	1138	43	anhydrite
1138	1148	10	red rock
1148	1185	37	salt
1185	1230	45	red rock & salt
1230	1385	155	salt
1385	1400	15	anhydrite
1400	1490	90	salt
1490	1500	10	anhydrite
1500	2100	600	salt
2100	2110	10	anhydrite
2110	2180	70	salt
2180	2215	35	anhydrite
2215	2283	68	salt
2283	2330	47	anhydrite
2330	2450	120	lime hard gray
2450	2465	15	lime med. gray
2465	2475	10	lime med. brown
2475	2480	5	lime hard brown
2480	2515	35	lime hard gray
2515	2527	12	lime med. gray
2527	2539	12	lime soft gray
2539	2550	11	lime med. gray
2550	2610	60	lime hard gray
2610	2654	44	lime
2654	2657	3	lime pay

931  
896

## OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

## MISCELLANEOUS REPORTS ON WELLS

RECEIVED  
JUN 24 1949

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

June 15, 1949

Date

Graham, Texas

Place

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_

M.E. Daniel et al

Texas State-A-

Well No. 1

in the

Company or Operator

Lease

W-1/2 of SW-1/4 of Sec. 16, T. 20 S, R. 32 E, N. M. P. M.,

Halfway

Field,

Lea

County.

The dates of this work were as follows: May 8 th. through May 13, 1949

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on Feb. 28 19 49  
and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Work was started on May 8, 1949 and completed May 13, 1949.

Mudded hole; put 25 sacks cement plug at bottom of 7" casing (2610').

Mudded hole; put 25 sks. cement plug at bottom of 8-5/8" casing (951').

Pulled 8-5/8" casing; Mudded hole; Put 15 sks cement plug

at top of hole and erected regulation 4" marker.

Witnessed by \_\_\_\_\_

Name

Company

Title

Subscribed and sworn before me this 15th

day of June

19 49

I hereby swear or affirm that the information given above is true and correct.

Name

McBoyd Street

Position

Agent

Representing

M.E. Daniel et al.

Company or Operator

My commission expires

6-1-51

Address

Box 809  
Graham Tex

Remarks: Well was plugged by Hobbs Pipe  
and Supply Co., Hobbs, N.M. For  
name of witness-please contact  
them

APPROVED

Date JUN 24 1949

Name

Title



Full Well Report for MITCHELL ENERGY CORP.  
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PIT411 \*\*\*\*\* NOV 09, 1993 14:19:41 \*\*\*\*\* WELL 5

API Nbr: 30025009530000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: NORTH BASIN Prov Code: 666  
Oper: SAIKIN DAVID C Oper Code: 099999  
Lease: TEXAS-STATE B Well: 4 Lease Code:  
Field: HALFWAY Field Code: 038611  
SURVEY: District: 01

T020S R032E SEC16 Spot:  
FOOTAGES: 2210FS 2310FE CNGRS T-R-SEC /FULL SEC

Oper Elev: 3509DF RIG HT: Log Td:  
Form@TD: 453SVRV

Other Depths: DRLR 2668 WSTD PBDT OLDTD

Status: OIL Spud Date: 04 16 1961  
Hole Dir: VERTICAL Comp Date: 06 13 1951  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO

Latitude: 32.57201 Source: USGS NAD27 Longitude: 103.77002

CASING:  
7 @ 2490 W/ 650SX

INITIAL POTENTIAL TESTS:  
IPP 85BOPD CUT % /64CK 024HRS  
OPENHOLE / 2490-2668  
GTY: 30.0 GOR: COND: B/MMCF  
FIELD: HALFWAY YATES PROD ZN CODE: 1 OPER KEY: 1

FORMATION TOPS: (Source,Names,Depths,Shows)

DLR  
454ANDR 400 454SALT 1030 453YTES 2340  
453SVRV 2665

FORMATION BASES: (Base & Depth)

454SALT 2245

CORE DESCRIPTIONS:

FORMATION TESTS:

PRODUCTION TESTS:  
PTP 90BO CUT % /64CK 031HRS

OPENHOLE / 2490-2668  
ACID 2666-2668 1000 GALS A FBRKP:  
BHP: @ FT BHT: F TUBING SIZE: 2" @FT REF DATUM

OTHER WELL INFO:

DRILLING PROBLEMS  
FISHING TOOLS AT 2560

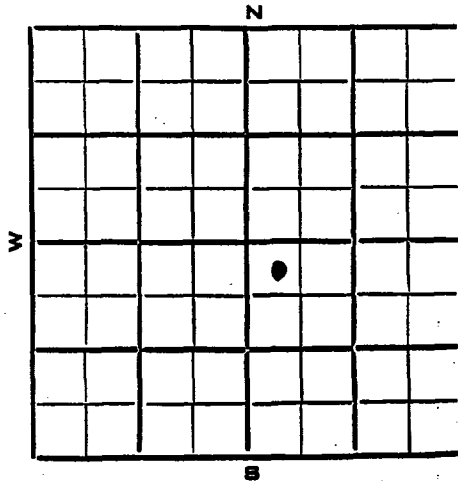
\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

HALFWAY

# SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company Argo Oil Corporation

Farm Name Texas State Well No. 3-B

Land Classification State

Sec. 16 Twp. 20 Range 32 County Lea

Feet from Line: N. 2310 S. 2310 E. W.

Elevation \_\_\_\_\_ Method \_\_\_\_\_

Contractor \_\_\_\_\_ Scout \_\_\_\_\_

Spudded 12-31-40 Completed 2-10-41 Initial Production \_\_\_\_\_

Bond Status \_\_\_\_\_

Amount

Casing and Cementing Record

Size	Feet	Inches	Sec Cement
6 5/8	6139		50
7	7477		50

Tubing Record

2"	2599
----	------

## ACID RECORD

Gals. \_\_\_\_\_

Natural

Top Pay 2597 TD \_\_\_\_\_

TA \_\_\_\_\_

TS \_\_\_\_\_

BS \_\_\_\_\_

TRS \_\_\_\_\_

TBL \_\_\_\_\_

TWL \_\_\_\_\_

## SHOOTING RECORD

No. of Quarts	Shot at	Feet
S/O	S/O	S/O
S/O	S/O	S/O

DATE		DATE	
JAN 8	12-30-40 RUS TD 459 RR in 8 200670 Net Fm 995		
JAN 15	Del 13 25.84 L TAN		
JAN 22	12312 AD-X		
1-20	T.D. 2482 L WOC		
2-5	TD 2608 L T.D.		
FEB 12	2		
FEB 19	TD 2604 S.D.L 1.P. 251308 L		
	Gravity 2-60		
	255		

7 T-X

SLC

HX

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SA

III

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OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

AUG 28 11 43 AM '68

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. <b>B-3277</b>	

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small>	
1. <b>OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER-</b> <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator <b>Mrs. Bertie Nolan Price</b>	8. Farm or Lease Name <b>Texas State "B"</b>
3. Address of Operator <b>Price Estate, 7th. Floor Amarillo Bldg., Amarillo, Tex.</b>	9. Well No. <b>3</b>
4. Location of Well UNIT LETTER <b>J</b> <b>2310</b> FEET FROM THE <b>South</b> LINE AND <b>2310</b> FEET FROM THE <b>East</b> LINE, SECTION <b>16</b> TOWNSHIP <b>20-S</b> RANGE <b>32-E</b> NMPM.	10. Field and Pool, or Wildcat <b>Halfway</b>
15. Elevation (Show whether DF, RT, GR, etc.)	12. County <b>Lee</b>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
---	--	--	--

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Ran 2½" tubing and circulated cement (210 sax) from 1865.61' to surface inside 5½" casing string. No pipe was pulled from the well. Casing record is as follows:

8-5/8" casing set @ 932 & cemented w/50 sax.  
7" casing set @ 2477' w/50 sax. Top of cement behind 7" casing @ 1807'. The 7" collapsed @ 1100'. Shot-off 7" @ 1380' and pulled top section. Ran new 7" back to top of stub @ 1380'. Then ran 2347' of 5½" csg. inside 7" and cemented w/100 sax. Top of cement in 5½" x 7" annulus was @ 304' from surface.  
5½" casing set @ 2347' w/100 sax.

After tubing was pulled, casing was filled to top w/cement. Location cleared, pits filled, and marker installed 8-26-68.

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

SIGNED <b>A.B. Haight</b>	TITLE <b>Agent</b>	DATE <b>8-27-68.</b>
APPROVED BY <b>John W. Runyan</b>	TITLE <b>Geologist</b>	DATE <b>8-19-68</b>
CONDITIONS OF APPROVAL, IF ANY:		

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS-ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Hobbs, N. M.      November 8, 1940  
Place      Date

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico.  
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

North Shore Corporation      Texas-State      Well No.-3      in NE 1/4  
Company or Operator      Lease  
of Sec. 16      T. 20S      R. 32E      N. M. P. M.,  
Halfway      Field,      Lea      County

The dates of this work were as follows:

Notice of intention to do the work was ~~not~~ submitted on Form C-102 on November 6, 1940  
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

### DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cement plug 2720' filled with mud to 2500'  
and placed cement plug, used 10 sacks of cement at 2490'.  
Filled hole with mud to 298', placed cement plug at 290' and used  
10 sacks cement. Filled surface with five sacks cement and  
placed two-inch marker extending four feet above the ground,  
all in accordance with the law.

Witnessed by Mr. Croft      Peck & Croft Drilling Co.      Supt.      Title  
Name      Company

Subscribed and sworn to before me this 8th  
November 40  
day of      19

*Lucille L. Norman (Comin)*  
Notary Public

My Commission expires June 1, 1941

I hereby swear or affirm that the information given above is true and correct.

Name *M. L. Cole*

Position *Secretary*

Representing North Shore Corporation

Company of Operator

Address Midland, Texas

Remarks:

*Reg. Garbrough*  
Name  
OIL & GAS INSPECTOR  
Title

DUPLICATE

2

**Santa Fe, New Mexico**

## WELL RECORD

RECEIVED  
NOV 16 1940  
RECEIVED  
HOBBS OFFICE

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**North Shore Corporation**

Midland, Texas

Texas-State \_\_\_\_\_ Company or Operator **1-B** NE/4 Address **18** 20S  
 \_\_\_\_\_ Well No. \_\_\_\_\_ in \_\_\_\_\_ of Sec. \_\_\_\_\_, T. \_\_\_\_\_  
 Lease **32E** **Halfway** Field, **Lea** County, \_\_\_\_\_  
**2310** **990** Section **16**  
 Well is \_\_\_\_\_ feet south of the North line and \_\_\_\_\_ feet west of the East line of \_\_\_\_\_  
**B-3615**  
 If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
 If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
 If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
**The Texas Company** **Ft. Worth, Texas**  
 The Lessee is \_\_\_\_\_ Address \_\_\_\_\_  
**Oct. 7,** **40** **Nov. 6** **40**  
 Drilling commenced \_\_\_\_\_ 19 \_\_\_\_\_ Drilling was completed \_\_\_\_\_ 19 \_\_\_\_\_  
**Peck & Croft** **Midland, Texas**  
 Name of drilling contractor \_\_\_\_\_ Address \_\_\_\_\_  
**3496**  
 Elevation above sea level at top of casing \_\_\_\_\_ feet.  
 The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

### OIL SANDS OR ZONES

No. 1, from \_\_\_\_\_ to None No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, 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. \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

### CASING RECORD

[illegible]

# MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8-5/8	2281	50			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to Cable Tools feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production of the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Peck & Croft Drilling Co. \_\_\_\_\_ Driller \_\_\_\_\_ Driller \_\_\_\_\_  
 \_\_\_\_\_ Driller \_\_\_\_\_ Driller \_\_\_\_\_

## FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 8th

day of November 1940

Lucille L. Norman (Queen)  
 Notary Public

My Commission expires June 1, 1941

Midland, Texas 11-8-40  
 Place Date

Name Madelene Cole

Position Secretary

Representing North Shore Corporation

Address Midland, Texas

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	100	100	Caliche
100	130	30	Sand
130	400	270	Red Bed
400	770	370	Sand & Shale
770	830	80	Sand & Red bed
830	870	40	Anhy.
870	892	22	Anhy. Sand & Salt
892	900	8	Anhy.
900	925	25	Lime
925	982	57	Anhy
982	1035	43	Salt
1035	1065	30	Anhy. Salt & Sand
1065	1100	35	Lime
1100	1175	75	Anhy. Salt & Sand
1175	1270	95	Salt
1270	1355	85	Anhy. Salt Sand & Potash
1355	1445	90	Salt
1445	1460	15	Anhy. Salt & Potash
1460	1575	15	Salt
1575	1725	150	Anhy. Salt & Potash
1725	1785	60	Salt
1785	1820	35	Anhy. Salt & Potash
1820	1860	40	Salt
1860	2020	160	Salt, Anhy. & Potash
2020	2180	160	Salt
2180	2210	30	Anhy.
2210	2330	120	Salt
2330	2371	41	Anhy.
2371	2410	39	Lime
2410	2420	10	Lime & Sand
2420	2485	65	Lime
2485	2535	50	Lime & sand
2535	2553	18	Lime
2553	2585	32	Sand
2585	2626	41	Lime
2626	2648	22	Sand & Lime
2648	2700	52	Lime, Sand & Benite
2700	2705	5	Lime
2705	2715	10	Lime & Sand
2715	2728	13	Lime, TD.



Full Well Report for MITCHELL ENERGY CORP.  
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PIT411 \*\*\*\*\* NOV 09, 1993 14:19:41 \*\*\*\*\* WELL 15

Weiner #1

API Nbr: 30025009500000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: HUSKY OIL COMPANY Oper Code: 037900  
Prev. Oper: WEINER, SAM ETAL  
Lease: TEXAS-STATE Well: 1 Lease Code:  
Field: HALFWAY Field Code: 038611  
SURVEY: District: 1

T020S R032E SEC16 Spot:  
FOOTAGES: 2310FN 2310FE CNGRS T-R-SEC /FULL SEC

Oper Elev: 3512ES RIG HT: Log Td:

Other Depths: DRLR 2559 WSTD PBTD OLDTD

Status: OIL Spud Date: 05 31 1940  
Hole Dir: VERTICAL Comp Date: 07 16 1940  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO

Latitude: 32.57403 Source: USGS NAD27 Longitude: 103.77003

CASING:

10 @ 440 W/ SX  
8 1/4 @ 938 W/ 50SX  
7 @ 2367 W/ 50SX

Contr: Tools: CABLE RIG Nbr:

INITIAL POTENTIAL TESTS:

IP 168B PD CUT % /64CK 024HRS  
OPENHOLE / 2367-2559  
BHP: @ FT BHT: F TUBING SIZE: 2" @FT REF DATUM  
FIELD: HALFWAY YATES PROD ZN CODE: OPER KEY: 1

FORMATION TOPS: (Source,Names,Depths,Shows)

DLR  
454ANDR 865 454SALT 910 000LIME 2332

FORMATION BASES: (Base & Depth)

454SALT 2294

CORE DESCRIPTIONS:

FORMATION TESTS:

DST 01 2559-2559  
REC 2000FT O  
FINAL OP: 7H IFP: FFP: BHT: F

PRODUCTION TESTS:

PTS	150B	CUT %	/64CK	006HRS
	OPENHOLE	/	2367-2559	

OTHER WELL INFO:

DRILLING SHOWS:

-2388 GAS 2495-2510 OIL  
2537-2555 OIL -

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

Full Well Report for MITCHELL ENERGY CORP.  
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PIT411 \*\*\*\*\* NOV 09, 1993 14:19:41 \*\*\*\*\* WELL 16

API Nbr: 30025009510000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: NORTH SHORE CORP Oper Code: 099999  
Lease: TEXAS-STATE B Well: 1 Lease Code:  
Field: HALFWAY Field Code: 038611  
SURVEY: District: 1

T020S R032E SEC16 Spot:  
FOOTAGES: 2310FN 990FE CNGRS T-R-SEC /FULL SEC

Oper Elev: 3496ES RIG HT: Log Td:

Other Depths: DRLR 2728 WSTD PBTD OLDTD

Status: D&A Spud Date: 10 07 1940  
Hole Dir: VERTICAL Comp Date: 11 02 1940  
Numeric Class: INL-6 FNL-0  
Alpha Class: INL-D FNL-D

Latitude: 32.57392 Source: USGS NAD27 Longitude: 103.76575

CASING:

10 @ 426 W/ SX  
8 1/4 @ 898 W/ 50SX

Contr: Tools: CABLE RIG Nbr:

INITIAL POTENTIAL TESTS:

FORMATION TOPS: (Source,Names,Depths,Shows)

SPL

454SALT 982 453BRLM 2371 453YTES 2483

FORMATION BASES: (Base & Depth)

454SALT 2330

DLR

454ANDR 937

CORE DESCRIPTIONS:

FORMATION TESTS:

PRODUCTION TESTS:

OTHER WELL INFO:

**DRILLING SHOWS:**

-1130 AIR 2720-2728 SULW

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

Full Well Report for MITCHELL ENERGY CORP.  
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PIT411 \*\*\*\*\* NOV 09, 1993 14:08:40 \*\*\*\*\* WELL 1

API Nbr: 30025017130001 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: LLANO INC Oper Code: 101775  
Prev. Oper: MONTGOMERY RANDALL F  
Lease: BROOKS-FEDERA 7 Well: 6 Lease Code:  
Field: SALT LAKE Field Code: 078765  
SURVEY: District: 1

T020S R033E SEC7 Spot:  
FOOTAGES: 660FS 1926FW CNGRS T-R-SEC /FULL SEC

Oper Elev: 3550DF RIG HT: Log Td:  
Form@TD:

Other Depths: DRLR 15560 WSTD PBTD OLDTD 15560

Status: OIL-WO RECOMPL Spud Date: 07 12 1963  
Hole Dir: VERTICAL Comp Date: 08 08 1963  
Numeric Class: INL-5 FNL-1  
Alpha Class: INL-WFX FNL-WFD  
Prod Form: 453YTSR

Latitude: 32.58200 Source: USGS NAD27 Longitude: 103.70439

INITIAL POTENTIAL TESTS:

IPP 38B PD 16BW CUT % /64CK 024HRS  
453YTSR PERF / 3026-3052  
PERF 3026-3032 A 3046-3052 A - -  
ACID 3026-3052 1000 GALS A FBRKP:  
FIELD: SALT LAKE YATES PROD ZN CODE: OPER KEY: 1

CORE DESCRIPTIONS:

FORMATION TESTS:

PRODUCTION TESTS:

PERF CUR COMP CODE: O/ 7118-7160

PTS 100PW CUT % /64CK HRS  
PERF PERF / 4970-4975  
PERF 4970-4975 C - - -

PTS 100PW CUT % /64CK HRS  
PERF PERF / 4620-4625  
PERF 4620-4625 C - - -  
CLAG 4620-4625 150 GALS A FBRKP:

PTS 100PW CUT % /64CK HRS  
PERF PERF / 4620-4630

PERF 4620-4630 C - - -  
ACID 4620-4630 500 GALS A FBRKP:

OTHER WELL INFO:

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

SALT LAKE

Well No.1

## Land Classification Government

Sec. 7 Twp. 20 Range 33 County Lea

Feet from Line:            N. 660       S.            E. 660       W.

### Elevation

Method *2/1/5*

Contractor Krusanto Jack Scout

Spudded 9-6-41 Completed 10-31-41 Initial Production

### Bond Status

## ACID RECORD

[illegible]

Gals. 100

TA 10.

TX 12-1-1964

**BX** 262

**TRS**

**TY**

**TBL**

**TWL**

Top Pay 3035

**TD**

## SHOOTING RECORD

No. of Quarts

From

**To**

No. of Quarts

**From**

**To**

SIO 2474-19 S SIO 3030-14 L S/

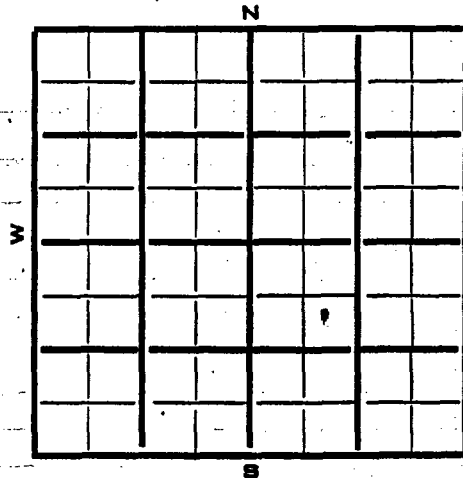
910 2966-7054 LSI

3/

## Packer

DATE	9-3-41 RU National Mach	DATE
9-10	0450 R R	
9-17	TD 1130 A 1100 C	
9-23	01740X	
10-1	12551 A	
10-8	TD 2220 1 1100	
10-15	TD 3110 1 1100 TR	
10-22	TD 4110 1 1100	
11-5	TD 3110 L	
	1 PP 102 B 012 Arr	

# SCOUT REPO NEW MEXICO OIL CONSERVATION COMMISSION



Company Conoco  
Farm Name Brooks 7 Gev 4 Well No. 5  
Sec. 7 Twp. 20 Range 33 County  
Feet from Line: 1980 N. S. E. 1980 W.  
Elevation 3540 Method  
Contractor  
Spudded Completed

AMOUNT CASING AND CEMENTING RECORD			
SIZE	FEET	INCHES	BOX CEMENT
19 1/2	564		5
10 1/2	917		5
12 1/2			
8 3/4	1166		50
5 1/2	2999		50

## TUBING RECORD

PACKER

## ACID RECORD

Gals.

Top Pay 2967

TA	TG
TX	TSA
TCA	TGI
BX <u>2640</u>	TYo
TY	TAbo
TSR	TFenn
TQ	TOrd

## SHOOTING RECORD

No. of Quarts <u>50</u>	From <u>2065</u>	To <u>2095</u>
No. of Quarts <u>50</u>	From <u>2041</u>	To <u>2060</u>
S/	S/	S/
S/	S/	S/
S/	S/	S/

DATE		DATE	
3-20-65	RUMAHINE		
4-9	TD 335, PB; Clog out cave		
4-10	TD 311, PB		
4-11	TD 1166, 4; Writing cement		
4-14	PRIGRX		
5-1	Q/2800L		
5-8	Q/2930L		
5-15	TD 3060, Pump 2 1/2" Hg		
5-22	TD 3123L; Plugging back		
5-29	PB 3060; Clog out after shot		
6-5	TD 3123L; PB 3060; 1PPump		
	5 1/2 BORD thru 2 1/2" @ 3060		



Place Hobbs, N.M.  
Date May 30, 1945

Glenn Staley  
Proration Office  
Hobbs, New Mexico.

Designate UNIT well is located in  
F

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

NOTICE OF COMPLETION OF: (Lease) Brooks 7 Well No. 5  
1980 feet from North line: 1980 feet from West line; C.T. & R  
7-20-33, Lea County, N. M.

DATE STARTED 3-30-45  
DATE COMPLETED 5-30-45  
ELEVATION 3540  
TOTAL DEPTH S.L.M. 3123' P.S. to 3060'  
CABLE TOOLS X ROTARY TOOLS

#### CASING RECORD

SIZE	<u>13" OD</u>	DEPTH	<u>274'</u>	SAX CEMENT	<u>0</u>	- Pulled
SIZE	<u>10 3/4" OD</u>	DEPTH	<u>711'</u>	SAX CEMENT	<u>0</u>	- Pulled
SIZE	<u>8 5/8" OD</u>	DEPTH	<u>1166'</u>	SAX CEMENT	<u>50</u>	
	<u>5 1/2" OD</u>		<u>2933'</u>		<u>50</u>	

#### TUBING RECORD

SIZE 2 1/2" DEPTH 3057'

#### ACID RECORD

NO. GALS	<u>1000</u>	-	<u>3056-3060'</u>	NO. BTS.	<u>50</u>	-	<u>2966-2985'</u>
NO. GALS	<u>1000</u>	-	<u>3090-3095'</u>	NO. BTS.	<u>50</u>	-	<u>3040-3060'</u>
NO. GALS				NO. BTS.			

#### FORMATION TOPS

Anhydrite  
Top Salt  
Base Salt 2640  
Red Sand  
Brown Lime 2700  
White Lime  
Oil or Gas Pay Line 2967-2972'; 3055-3060'  
Water

Initial Production Test 6 bbls. oil Pumping 24 hours FLOWING  
Test After Acid or Shot

Initial GAS VOLUME

SCHEDULE NO. DATE June 1, 1945

PIPE LINE TAKING OIL Texas-New Mexico Pipe Line Co.

REMARKS COMPANY CONTINENTAL OIL COMPANY

SIGNED BY: [Signature] Dist. Supt.

Copies to: NMOCG File

A 10x10 grid with letters N, S, E, and W at the corners.

Company	Conoco			
Farm Name	Brooks-7		Well No. 2	
Land Classification	Government			
Sec.	7	Twp.	20	Range 33 County Lea
Feet from Line:	N. 660		S.	E. 1980 W.
Elevation	Method 7102			
Contractor	K. L. Carl & Zed			Scout
Spudded 11-29-41	Completed		Initial Production	
Bond Status				

## ACID RECORD

SIZE	FEET	INCHES	BAG CEMENT
10	631		55 P
8 1/2	1137		50
5 1/2	2210		225

Gals.

TA	1110
TX	
BX	
TRS	
TY	
TBL	
TWL	

## Top Pay

TD

## SHOOTING RECORD

No. of Quarts	From	To
No. of Quarts	From	To
S/W 435-40 S	S/	S/
S/W 505 S HFW	S/	S/

## Packer

DATE	11-18-41	Loc.	DATE
12-3	0367	RR	
12-11	TD 1140		
	W200		
12-17	02020	X+P	
12-23	02233	A	
12-29	TD 2911	L W200	
1-7-42	TD. 3075	L	
	Tstg		
	Ran Schlumberger		
1-14	TD 3075	L	
	1 P P 233	RR RD L	

(SUBMIT IN TRIPLICATE)

Land Office NM 149957

Lease No. Little Eddy

APPROVED  
DEC 31 1962  
A. R. BRUNN  
ACTING DISTRICT ENGINEER

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

1963 JAN 3

JAN 9 1963

JAN 24 1963

2 1963

## SUNDRY NOTICES AND REPORTS ON WELLS.

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

TO BE USED TO QUOTE IISW. 1962 December 10

62

Brooks 7

Well No. 3 is located 660 ft. from line and 1980 ft. from line of sec. 7

SE 1/4 7

20S

33E

NMPM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Salt Lake

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 3503 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rigged up on 9/14/62 and clean out well to original TD 3025. Milling, fishing & cleaning out well to 11/6/62. Encountered 8 5/8 at 357'. Ran 363' of 10 3/4 over top of 8 5/8 which was cemented in hole when 3 1/2" csg cemented. Found base of 8 5/8" csg at 1161. Found top of 5 1/2" csg at 1171. Cleaned out to TD 3025 and ran 86 jts of 3 1/2" csg, J 55 5.75#/ft I.D. 3.188 to 2910. Dumped sand bridge and ran 8' Hydromite plug. Cemented 3 1/2" csg. with 680 CF Incer 50 50 Pomix 4% gel and 100 CF Incer 50 50 Pomix 2% gel. Cement circulated WOC 96 hours. Drilled out cement & hydromite plug and circulated out bridge to old TD 3025. Ran Baker Pump Packer Monco pump 2 1/2" x 2" x 12'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **RANDALL F. MONTGOMERY**  
Address **P.O. Box 2414, Hobbs, New Mexico**

By **R. F. Montgomery**  
**RANDALL F. MONTGOMERY**  
Operator

Title

Strainer Nipple	1.00
Baker Pump Packer	2.55
Monco Pump w/subs	12.87
Pump extended	6.50
Pony Rod	4.00
60 3/4" Rods	1500.00
53 7/8" Rods	1325.00
Pony Rod	6.00
Polish Rod	16.00
	2873.92'

### Pumping Unit

Continental Emsco DD80, Serial No. 1461  
 Ratio 25.0 w/28", 38" and 48" stroke, set on  
 38" stroke and 10 SPM. Well pump at rate of 37  
 BOPD and 200 BWPD.

1-2-74 M J A

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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hebbs, New Mexico

December 10, 1962

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

**RANDALL F. MONTGOMERY**

**Brooks 7**

**3**

**SW**

**SE**

(Company or Operator)

(Lease)

, Well No. \_\_\_\_\_, in \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4,

**0**

**7**

**T**

**20S**

**R**

**33E**

**NMPM.**

**Salt Lake**

**Pool**

Unit Letter

**OWO September 13, 1962**

**Nov. 29, 1962**

County. Date Spudded

Date Drilling Completed

Please indicate location:

Elevation **3503**

Total Depth **3025**

PBTD

Top Oil/Gas Pay **2910 3025**

Name of Prod. Form. **Yates Seven Rivers**

PRODUCING INTERVAL -

Perforations

Open Hole **2910 3025**

Depth Casing Shoe **2910**

Depth Tubing

OIL WELL TEST -

Natural Prod. Test: **37** bbls. oil, **200** bbls water in **24** hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): \_\_\_\_\_

Casing Press. \_\_\_\_\_ Tubing Press. \_\_\_\_\_ Date first new oil run to tanks **November 29, 1962**

Oil Transporter **McWood Corporation**

Gas Transporter

Remarks: **Old Well Workover**

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

Approved: \_\_\_\_\_, 19\_\_\_\_\_

**RANDALL F. MONTGOMERY**

(Company or Operator)

By: **R.F. Montgomery**

**RANDALL F. MONTGOMERY**

**OPERATOR**

Title

Send Communications regarding well to:

Name **RANDALL F. MONTGOMERY**

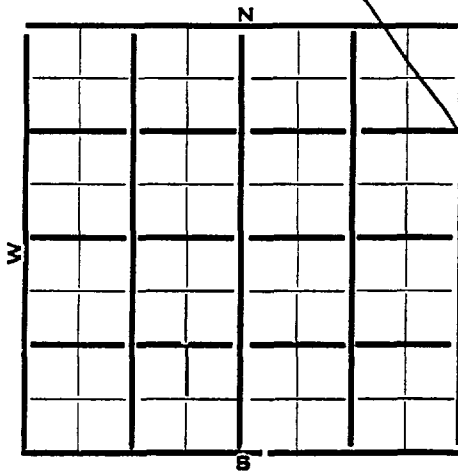
OIL CONSERVATION COMMISSION

By: \_\_\_\_\_

Title \_\_\_\_\_

SALT LAKE

# SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company Conoco  
 Farm Name Brooks-7 Well No. 3  
 Land Classification Government  
 Sec. 7 Twp. 20 Range 33 County Lea  
 Feet from Line: N. 660 S. 660 E. W.  
 Elevation \_\_\_\_\_ Method \_\_\_\_\_  
 Contractor 112241 Scout \_\_\_\_\_  
 Spudded \_\_\_\_\_ Completed 10-14-42 Initial Production \_\_\_\_\_  
 Bond Status \_\_\_\_\_

## AMOUNT CASING AND CEMENTING RECORD

SIZE	FEET	INCHES	BOX CEMENT
<u>5 1/2</u>			

## ACID RECORD

Gals.

Top Pay 2975

TD

TA

TX

BX

TRS

TY

TBL

TWL

## SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

S/

S/

S/

S/

PACKER

DATE 8-19-42 Loc. 121610-6 3022 L10-13 TD 3025 L P.D. Pump10-20 TD 3025 L1PP 9920 PD

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

|                     |            |                    |            |                     |
|---------------------|------------|--------------------|------------|---------------------|
| Company             | Conoco     |                    |            |                     |
| Farm Name           | Brooks-7   |                    | Well No. 2 |                     |
| Land Classification | Government |                    |            |                     |
| Sec.                | 7          | Twp.               | 20         | Range 22 County Lee |
| Feet from Line:     | N.         | 640                | S. 1020    | E. W.               |
| Elevation           | Method     |                    |            |                     |
| Contractor          | Scout      |                    |            |                     |
| Spudded             | Completed  | Initial Production |            |                     |
| Bond Status         |            |                    |            |                     |

| No. of Quarts | From | To |
|---------------|------|----|
| No. of Quarts | From | To |
| S/            | S/   | S/ |
| S/            | S/   | S/ |

[illegible]

Full Well Report for MITCHELL ENERGY CORP.  
Copyright 1993 by Petroleum Information, Corp.  
PIT411 \*\*\*\*\* NOV 09, 1993 14:08:40 \*\*\*\*\* WELL 6

API Nbr: 30025017120000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: LLANO INC Oper Code: 101775  
Prev. Oper: MONTGOMERY RANDALL F  
Prev. Oper: CONTINENTAL OIL CO.  
Lease: LITTLE EDDY UBROOKS Well: 4 Lease Code:  
Field: SALT LAKE Field Code: 078765  
SURVEY: District: 1

T020S R033E SEC7 Spot:  
FOOTAGES: 1980FS 1980FW CNGRS T-R-SEC /FULL SEC

Oper Elev: 3540ES RIG HT: Log Td:

Other Depths: DRLR 3064 WSTD PBDT OLDTD

Status: OIL Spud Date: 11 30 1944  
Hole Dir: VERTICAL Comp Date: 01 28 1945  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO

Latitude: 32.58563 Source: USGS NAD27 Longitude: 103.70424

CASING:

|          |         |        |
|----------|---------|--------|
| 10 3/4 @ | 661 W/  | SX     |
| 8 5/8 @  | 1130 W/ | SX     |
| 5 1/2 @  | 2907 W/ | 1000SX |

Contr: Tools: CABLE RIG Nbr:

INITIAL POTENTIAL TESTS:

|        |                 |               |                     |           |        |
|--------|-----------------|---------------|---------------------|-----------|--------|
| IPP    | 104B PD         | 41BW          | CUT %               | /64CK     | 012HRS |
|        | OPENHOLE        | /             | 2907-3064           |           |        |
| BHP:   | @ FT            | BHT: F        | TUBING SIZE: 2" @FT | REF DATUM |        |
| FIELD: | SALT LAKE YATES | PROD ZN CODE: | OPER KEY: 1         |           |        |

FORMATION TOPS: (Source,Names,Depths,Shows)

DLR  
454ANDR 1120

FORMATION BASES: (Base & Depth)

454SALT 2620

CORE DESCRIPTIONS:

FORMATION TESTS:



DST 01 3064-3064  
REC 400FT O  
FINAL OP: 4H IFP: FFP: BHT: F

PRODUCTION TESTS:

|     |          |       |           |        |
|-----|----------|-------|-----------|--------|
| PTP | 70B      | CUT % | /64CK     | 007HRS |
|     | OPENHOLE | /     | 2907-3064 |        |

|     |          |       |       |           |        |
|-----|----------|-------|-------|-----------|--------|
| PTP | 75B      | 140BW | CUT % | /64CK     | 012HRS |
|     | OPENHOLE |       | /     | 2907-3064 |        |

OTHER WELL INFO:

DRILLING SHOWS:

2930-2938 OIL 3050-3059 OIL

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

## OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

|  |   |  |  |
|--|---|--|--|
| REPORT ON BEGINNING DRILLING OPERATIONS                    |   | REPORT ON REPAIRING WELL                       |  |
| REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL |   | REPORT ON PULLING OR OTHERWISE ALTERING CASING |  |
| REPORT ON RESULT OF TEST OF CASING SHUT-OFF                |   | REPORT ON DEEPENING WELL                       |  |
| REPORT ON RESULT OF PLUGGING OF WELL                       | X |  |  |

March 15, 1948

Seminole, Texas

Date

Place

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO  
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_  
Bay Petroleum Corporation Welch State Well No. 1 in the

Company or Operator  
C NE/4 SW/4 of Sec. 18, T. 20-S, R. 33-E, N. M. P. M.,  
Salt Lake Field, Lea County.

The dates of this work were as follows: May, 1947

Notice of intention to do the work was (was not) submitted on Form C-102 on \_\_\_\_\_ 19\_\_\_\_  
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3085 to 2990 Cement Plug with 20 sacks of cement.  
2990 to 1200 Mud  
1200 to 1152 Cement Plug with 10 sacks of cement.  
1152 to 10 Mud  
10 to 0 Cement plug with marker.

Recovered 1382' of 7" O.D. Casing  
Recovered 62' of 8 5/8" O.D. Casing.

Witnessed by \_\_\_\_\_

Name

Company

Title

Subscribed and sworn before me this 15 th

I hereby swear or affirm that the information given above is true and correct.

day of March 1948

Name D. W. CoffeyPosition Production Superintendent

Harry B. Campbell  
Harry B. Campbell Notary Public in  
And for Gaines, County Texas.

Representing The Bay Petroleum Corporation  
Company or Operator

My commission expires June, 1949

Address Box 216, Seminole, Texas

Remarks:

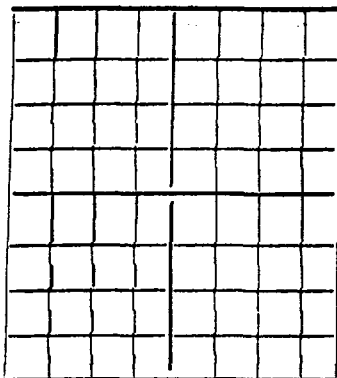
Name

Title

N.

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES  
LOCATE WELL CORRECTLY

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

**Chalmette Petroleum Corporation (The Bay Pet. Corp)** Box 1785, Midland, Texas  
Company or Operator Address

**Welch State** Well No. 1 in NE/4SW/4 of Sec. 18, T. 20 S  
Lease

R. 33E, N. M. P. M., Salt Lake Field, Lee County.

Well is 660' feet south of the North line and 660' feet west of the East line of SW/4 Sec. 18

If State land the oil and gas lease is No. B8673 Assignment No. 4

If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_

The Lessee is Chalmette Petroleum Corporation, Address Box 1785, Midland, Texas

Drilling commenced Aug. 16 19 45 Drilling was completed Sept. 28 19 45

Name of drilling contractor Harvey E. Yates, Address Artesia

Elevation above sea level at top of casing 3537 feet.

The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from 2875 to 2890 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from 2945 to 2960 No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from 3040 to 3065 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

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

No. 1, from 3115 to 3117 feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

## CASING RECORD

| SIZE          | WEIGHT<br>PER FOOT | THREADS<br>PER INCH | MAKE         | AMOUNT      | KIND OF<br>SHOE | CUT & FILLED<br>FROM | PERFORATED |    | PURPOSE           |
|---------------|--------------------|---------------------|--------------|-------------|-----------------|----------------------|------------|----|-------------------|
|               |                    |                     |              |             |                 |                      | FROM       | TO |                   |
| <u>12 1/2</u> | <u>32</u>          | <u>8R</u>           | <u>SH</u>    | <u>27'</u>  | <u>None</u>     |                      |            |    | <u>Surface</u>    |
| <u>10-3/4</u> | <u>28</u>          | <u>8R</u>           | <u>New</u>   | <u>787</u>  | <u>None</u>     |                      |            |    |                   |
| <u>8 1/2</u>  | <u>24</u>          | <u>8R</u>           | <u>New</u>   | <u>1135</u> | <u>Texas</u>    |                      |            |    |                   |
| <u>5 1/2</u>  | <u>14</u>          | <u>8R</u>           | <u>Spang</u> | <u>3041</u> | <u>Texas</u>    |                      |            |    | <u>Oil String</u> |

# MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 15"          | 12 1/2"        | 27        | 50 sz               | Pump & Plug |             |                    |
| 10           | 8 1/2"         | 1135      | 50 sz               | Pump & plug |             |                    |
| 7            | 5 1/2"         | 3041      | 50 sz               | Pump & plug |             | 50 sz.             |

# PLUGS AND ADAPTERS

Heaving plug—Material..... Length..... Depth Set.....

Adapters—Material..... Size.....

# RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE     | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|----------|-----------------------|-------------------|
|      |            | 20% Western Acid           | 1500     | 10/14/45 | 3040-3085             |                   |
|      |            |                            |          |          |                       |                   |
|      |            |                            |          |          |                       |                   |

Results of shooting or chemical treatment.....

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

# TOOLS USED

Rotary tools were used from..... feet to..... feet, and from..... feet to..... feet

Cable tools were used from..... 0..... feet to..... 3117 TD..... feet, and from..... feet to..... feet

# PRODUCTION

Put to producing..... 11/2....., 19..... 45...

The production of the first 24 hours was..... 3388..... barrels of fluid of which..... 50..... % was oil;..... % emulsion;..... 50..... % water; and..... % sediment. Gravity, Be.....

If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in.....

# EMPLOYEES

T. D. Bradshaw....., Driller....., Driller  
 T. J. Allen....., Driller....., Driller

# FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this..... 8th.....

day of..... November....., 1945

Notary Public.

My Commission expires..... June 1, 1947.

Midland, Texas

11/8/45

Name.....

Position..... Division Manager

Representing..... Chalmette Petroleum Corporation

Address..... Box 1785, Midland, Texas

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION        |
|------|------|----------------------|------------------|
| 0    | 20   | 20                   | Gyp              |
| 20   | 425  | 405                  | Red Rock         |
| 425  | 430  | 5                    | Water Sand       |
| 430  | 885  | 455                  | Red Rock         |
| 885  | 980  | 95                   | Red Sand (sharp) |
| 980  | 1110 | 130                  | Red Rock         |
| 1110 | 1266 | 156                  | Anhydrite        |
| 1266 | 1375 | 109                  | Salt             |
| 1375 | 1385 | 10                   | Anhydrite        |
| 1385 | 2625 | 1240                 | Salt             |
| 2625 | 2730 | 105                  | Anhydrite        |
| 2730 | 2890 | 160                  | Lime             |
| 2890 | 2905 | 15                   | Red Rock         |
| 2905 | 2937 | 32                   | Lime             |
| 2937 | 2950 | 13                   | Lime white       |
| 2950 | 2985 | 35                   | Sand             |
| 2985 | 3080 | 95                   | Lime             |
| 3080 | 3115 | 35                   | Lime and Sand    |
| 3115 | 3117 | 2                    | Lime             |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLY  
(Other instructions  
verse side)9-  
e-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0149957

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Smith Federal "18"

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Salt Lake

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

18-20-S-33-E NMPM

12. COUNTY OR PARISH 13. STATE

Lee N.M.

## 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 ☒ GAS ☐  
WELL WELL OTHER

2. NAME OF OPERATOR

Llano, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1320, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface660' FNL & 1980' FEL, Section 18, T-20-S, R-33-E,  
NMPM Survey, Lea County, New Mexico.

14. PERMIT NO.

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

3500' DF

16.

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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 perti-  
nent to this work.) \*

11-12-75 Rigged up unit. Attempted to pull 10-3/4" csg. Casing parted.

11-13-75 Recovered 73' of 10-3/4" csg.

11-14-75 Ran 2-3/8" tbg. to 226', unable to go below 226' to set plug at 350-450'  
interval. Received verbal permission from Mr. R. A. Brown, U.S.G.S., to  
set plug at 226'. Set 50 SX cmt plug at 226' - 150'. Spotted 6 SX agua  
gel from 150' to 114'. Set 50 SX cmt plug from 114-17'.11-15-75 Ran 17' of 10-3/4 csg. cmt w/15 SX from 17' to surface. Set dry hole marker  
and cleaned location.

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

SIGNED

Manager,

TITLE

Operations and Construction DATE 11/17/75

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

APPROVED  
NOV 26 1975  
ARTHUR R. BROWN  
DISTRICT ENGINEER

SCOUT REPORT  
NEW MEXICO  
OIL CONSERVATION COMMISSION

|                     |                   |                    |
|---------------------|-------------------|--------------------|
| Farm Name           | Smith-18          | Well No. 1         |
| Land Classification | Government        |                    |
| Sec. 18             | Twp. 20           | Range 33           |
| Feet from Line: 660 |                   | N. S. 1980 E. W.   |
| Elevation           | Method            |                    |
| Contractor          | Scout             |                    |
| Spudded 2-2-42      | Completed 3-11-42 | Initial Production |
| Bond Status         |                   |                    |

| AMOUNT<br>CASING AND CEMENTING RECORD |      |        |               |
|---------------------------------------|------|--------|---------------|
| SIZE                                  | FEET | INCHES | BOX<br>CEMENT |
| 10 3/4                                | 617  |        | 541           |
| 8 5/8                                 | 1115 |        | 50            |
| 5 1/2                                 | 2908 |        | 100           |
|                                       |      |        |               |
|                                       |      |        |               |
|                                       |      |        |               |
|                                       |      |        |               |

**Gals.**

### Top Pay

|     |      |
|-----|------|
| TA  | 1094 |
| TX  | 1250 |
| BX  | 2505 |
| TRS |      |
| TY  |      |
| TBL |      |
| TWL |      |

## No. of Quarts

**From**

**To**

## No. of Quarts

**From**

To

S103016-204

s/

**S/**

S/

**S/**

**s/**

### TUBING RECORD

## PACKER

| DATE | 1-28-12 C & P             | DATE |  |
|------|---------------------------|------|--|
| 2-4  | <del>Ø 120 K R.</del>     |      |  |
| 2-11 | <del>TD 1113 A</del>      |      |  |
|      | <del>Runway</del>         |      |  |
| 2-18 | <del>Ø 15 95 X + A</del>  |      |  |
| 2-25 | <del>Ø 26 18 A</del>      |      |  |
| 3-4  | <del>TD 2910 L 1000</del> |      |  |
|      | <del>SLM 2796 = 98</del>  |      |  |
| 3-11 | <del>TD 3633 L</del>      |      |  |
|      | <del>Runway</del>         |      |  |
| 3-18 | <del>T.L. 30 = 14</del>   |      |  |
|      | <del>1000 1800 1500</del> |      |  |

Full Well Report for MITCHELL ENERGY CORP.  
Copyright 1993 by Petroleum Information, Corp.  
PIT411 \*\*\*\*\* NOV 09, 1993 14:08:40 \*\*\*\*\* WELL 9

API Nbr: 30025017520000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: WELSH, LEONARD Oper Code: 099999  
Lease: STATE Well: 2 Lease Code:  
Field: SALT LAKE Field Code: 078765  
SURVEY: District: 1

T020S R033E SEC18 Spot:  
FOOTAGES: 1980FN 660FW CNGRS T-R-SEC /FULL SEC

Oper Elev: 3506ES RIG HT: Log Td:

Other Depths: DRLR 3104 WSTD PBTD OLDTD

Status: OIL Spud Date: 08 05 1941  
Hole Dir: VERTICAL Comp Date: 05 15 1942  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO

Latitude: 32.57474 Source: USGS NAD27 Longitude: 103.70839

CASING:

10 @ 590 W/ SX  
8 1/2 @ 1095 W/ 50SX  
7 @ 2980 W/ 50SX

Contr: Tools: CABLE RIG Nbr:

INITIAL POTENTIAL TESTS:

IPP 4B PD 50PW CUT % /64CK 024HRS  
OPENHOLE / 2980-3047  
ACID 2980-3047 1000 GALS A FBRKP:  
BHP: @ FT BHT: F TUBING SIZE: 2" @FT REF DATUM  
GTY: 26.0 GOR: COND: B/MMCF  
FIELD: SALT LAKE YATES PROD ZN CODE: OPER KEY: 1

FORMATION TOPS: (Source,Names,Depths,Shows)

DLR  
454ANDR 1070 454SALT 1210

FORMATION BASES: (Base & Depth)

454SALT 2565 .

CORE DESCRIPTIONS:

FORMATION TESTS:



DST 01 400-405  
REC 8BBL

DST 02 3104-3104  
REC 3BBL W  
FINAL OP: 1H IFP: FFP: BHT: F

PRODUCTION TESTS:

|     |          |       |           |        |
|-----|----------|-------|-----------|--------|
| PTB | 30B      | CUT % | /64CK     | 024HRS |
|     | OPENHOLE | /     | 3001-3009 |        |

|     |          |       |           |        |
|-----|----------|-------|-----------|--------|
| PTP | 16B      | CUT % | /64CK     | 008HRS |
|     | OPENHOLE | /     | 2980-3060 |        |

|     |          |       |           |        |
|-----|----------|-------|-----------|--------|
| PTP | 12B      | CUT % | /64CK     | 008HRS |
|     | OPENHOLE | /     | 2980-3060 |        |

|     |          |       |           |        |
|-----|----------|-------|-----------|--------|
| PTP | 14B      | CUT % | /64CK     | 024HRS |
|     | OPENHOLE | /     | 2980-3060 |        |

ACID 2980-3080 500 GALS A FBRKP:

. . .

|      |             |     |       |           |        |
|------|-------------|-----|-------|-----------|--------|
| PTP  | 2B          | 3BW | CUT % | /64CK     | 024HRS |
|      | OPENHOLE    |     | /     | 2980-3047 |        |
| PERF | 3030-3045 A | -   | -     | -         |        |

OTHER WELL INFO:

DRILLING SHOWS:

485-495 WET H 3001-3009 OIL  
3030-3060 OIL 3099-3104 SULW

PLUGGING RECORD:

ABND: 03171948 CUM OIL: BO CUM GAS: MCF 1  
ABND NARR:

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

Full Well Report for MITCHELL ENERGY CORP.  
Copyright 1993 by Petroleum Information, Corp.  
PIT411 \*\*\*\*\* NOV 09, 1993 14:08:40 \*\*\*\*\* WELL 10

API Nbr: 30025017530000 State: NMEX County: LEA  
Meridian: NEW MEXICO Meridn Code: 21  
Province: Prov Code:  
Oper: BAY PET CO Oper Code: 099999  
Prev. Oper: WELSH, LEONARD  
Lease: STATE Well: 3 Lease Code:  
Field: SALT LAKE Field Code: 078765  
SURVEY: District: 1

T020S R033E SEC18 Spot:  
FOOTAGES: 660FN 1980FW CNGRS T-R-SEC /FULL SEC

Oper Elev: 3524ES RIG HT: Log Td:

Other Depths: DRLR 3100 WSTD PBTD OLDTD

Status: OIL Spud Date: 09 07 1941  
Hole Dir: VERTICAL Comp Date: 11 21 1941  
Numeric Class: INL-6 FNL-1  
Alpha Class: INL-D FNL-DO

Latitude: 32.57837 Source: USGS NAD27 Longitude: 103.70417

CASING:

10 @ 610 W/ SX  
8 1/4 @ 1114 W/ 25SX  
7 @ 3031 W/ 50SX

Contr: Tools: CABLE RIG Nbr:

INITIAL POTENTIAL TESTS:

IPP 115B PD CUT % /64CK 024HRS  
OPENHOLE / 3031-3100  
BHP: @ FT BHT: F TUBING SIZE: 2" @FT REF DATUM  
FIELD: SALT LAKE YATES PROD ZN CODE: OPER KEY: 1

FORMATION TOPS: (Source,Names,Depths,Shows)

DLR  
454ANDR 1104 454SALT 1245

CORE DESCRIPTIONS:

FORMATION TESTS:

DST 01 415-425  
REC 4BBL W  
FINAL OP: 1H IFP: FFP: BHT: F

PRODUCTION TESTS:

|      |           |             |           |        |
|------|-----------|-------------|-----------|--------|
| PTP  | 2B        | CUT %       | /64CK     | 001HRS |
|      | OPENHOLE  | /           | 3031-3100 |        |
| PTP  | 68B       | CUT %       | /64CK     | 024HRS |
|      | OPENHOLE  | /           | 3031-3100 |        |
| ACID | 3031-3100 | 1000 GALS A | FBRKP:    |        |
| PTP  | 110B      | CUT %       | /64CK     | 013HRS |
|      | OPENHOLE  | /           | 3031-3100 |        |

OTHER WELL INFO:

PLUGGING RECORD:

ABND: 02091948 CUM OIL: BO CUM GAS: MCF 1  
ABND NARR:

\*\*\* Proposed Bottom Hole Location \*\*\*

\*\*\* Actual Bottom Hole Location \*\*\*

\*\*\* Horizontal Drilling Data \*\*\*

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-77

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
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| DATE                   |  |
| FILE                   |  |
| U.S.O.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.  
E-5231

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Minerals, Inc.

Address of Operator

P. O. Box 1320, Hobbs, New Mexico 88240

Location of Well

UNIT LETTER C, 660 FEET FROM THE North LINE AND 2080 FEET FROM  
THE West LINE, SECTION 18 TOWNSHIP 20S RANGE 33E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Bass State

9. Well No.

1

10. Field and Pool, or Whdeat

Salt Lake Yates

11. Elevation (Show whether DF, RT, GR, etc.)

3525' GL

12. County

Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

INFORM REMEDIAL WORK ☐  
COMPLETELY ABANDON ☐  
ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER ☐

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-21-22-82

PBD 3033'. Open perforations 3002'-3007'. 3012'-3018' P/U SV Tool and RIH on tubing to 2960'. Set and pump 50 sks. beneath cmt. retainer. POOH w/5 stds. and dump 10 sks on top. Pump 250 sks 50/50 Poz Mix cmt. w/2% gel and 3% salt (14.0-14.5 ppg/cmt. wt.). POOH and laydown 40 jts. tubing and pump 200 sks cmt and POOH, laying down tubing. L.D. SV Tool and RIH w/5 stds tubing. Pump 50 sks cmt and lay down tubing. Circ cmt to surface-plug complete @ 1:00 PM.

Pit has been backfilled and area has been cleared and leveled.

Plugging witnessed by Eddie Seay, Hobbs OCD.

by certify that the information above is true and complete to the best of my knowledge and belief.

*[Signature]*

TITLE Vice President, Engineering

DATE 12-17-82

*[Signature]*

TITLE OIL & GAS INSPECTOR

DATE 3-21-83

NOTES OF APPROVAL IF ANY:

N.

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Oct 10 3 13 PM '83

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| U.S.G.                    |     |
| LAND OFFICE               |     |
| TRANSPORTER               | OIL |
|                           | GAS |
| PRODUCTION OFFICE         |     |
| OPERATOR                  |     |

## WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUANTITY. If State Land submit 6 copies. **BRASS STATE**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

1 (Company or Operator) NE NW 18 20S (Lease) 33 E  
Well No. SALT LAKE in 1/4 of 1/4 of Sec. LEA T. R. NMPM.  
660 North Pool 2080 West County.  
Well is 18 feet from line and E-5231 feet from West line  
of Section. If State Land the Oil and Gas Lease No. is September 7, 63 Drilling was Completed September 18, 63  
Drilling Commenced GACKLE DRILLING COMPANY, INC.  
Name of Drilling Contractor P. O. BOX 430, HOBBS, NEW MEXICO  
Address 3524  
Elevation above sea level at Top of Tubing Head The information given is to be kept confidential until 19.

## OIL SANDS OR ZONES

No. 1, from 3058 to 3063  
No. 2, from 3067 to 3072  
No. 3, from 3067 to 3072  
No. 4, from 3067 to 3072  
No. 5, from 3067 to 3072  
No. 6, from 3067 to 3072

## IMPORTANT WATER SANDS

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

No. 1, from 3058 to 3063 feet.  
No. 2, from 3067 to 3072 feet.  
No. 3, from 3067 to 3072 feet.  
No. 4, from 3067 to 3072 feet.

## CASING RECORD

| SIZE  | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE    |
|-------|-----------------|-------------|--------|--------------|---------------------|--------------|------------|
| 9 5/8 | 36              | Used        | 1115   | Howco        |                     |              | Surface    |
| 7     | 23              | Used        | 2880   | Howco        |                     |              | Salt       |
| 4 1/2 | 9.5             | USED        | 251    | Baker        |                     |              |            |
|       |                 |             |        |              |                     | 3058-63      | Production |
|       |                 |             |        |              |                     | 3067-72      |            |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 12 1/4       | 9 5/8          | 1115      | 410                 | P & P       |             |                    |
| 8 3/4        | 7              | 2880      | 430                 | P & P       |             |                    |
| 6 1/8        | 4 1/2          | 3101      | 35                  | P & P       |             |                    |

## RECORD OF PRODUCTION AND STIMULATION

Perf. 3058-63 2 (Record the Process used, No. of Qts. or Gals. used, interval treated or shot.) JSFF, Acidized 250 gals. 15% LST NEA, swab load shutin over night  
had 500' fill in hole. Perf. 3067-3072 2 JSFF acidized 250 gals 15% gelled acid  
w/moth balls. Swab load and had 1500' fluid in hole overnight. Placed on pump.

Result of Production Stimulation Pumped 33 BO 2 EW 24 hours.

Depth Cleaned Out 3098

# **RECORD OF DRILL-STEM AND SPECIAL     3TS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## **TOOLS USED**

Rotary tools were used from.....feet to.....feet, and from.....feet to.....feet.  
 Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

## **PRODUCTION**

Put to Producing.....September 30,.....19.....63.....  
**OIL WELL:** The production during the first 24 hours was.....33.....barrels of liquid of which.....24.....% was  
 was oil; .....% was emulsion; .....6.....% water; and.....% was sediment. A.P.I.  
 Gravity.....35.....  
**GAS WELL:** The production during the first 24 hours was.....M.C.F. plus.....barrels of  
 liquid Hydrocarbon. Shut in Pressure.....lbs.  
 Length of Time Shut in.....

**PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):**

### **Southeastern New Mexico**

### **Northwestern New Mexico**

|                      |                     |                            |
|----------------------|---------------------|----------------------------|
| T. Anhy.....1102     | T. Devonian.....    | T. Ojo Alamo.....          |
| T. Salt.....1250     | T. Silurian.....    | T. Kirtland-Fruitland..... |
| B. Salt.....2630     | T. Montoya.....     | T. Farmington.....         |
| T. Yates.....2788    | T. Simpson.....     | T. Pictured Cliffs.....    |
| T. 7 Rivers.....3031 | T. McKee.....       | T. Menefee.....            |
| T. Queen.....        | T. Ellenburger..... | T. Point Lookout.....      |
| T. Grayburg.....     | T. Gr. Wash.....    | T. Mancos.....             |
| T. San Andres.....   | T. Granite.....     | T. Dakota.....             |
| T. Glorieta.....     | T. ....             | T. Morrison.....           |
| T. Drinkard.....     | T. ....             | T. Penn.....               |
| T. Tubbs.....        | T. ....             | T. ....                    |
| T. Abo.....          | T. ....             | T. ....                    |
| T. Penn.....         | T. ....             | T. ....                    |
| T. Miss.....         | T. ....             | T. ....                    |

## **FORMATION RECORD**

| From | To   | Thickness<br>in Feet | Formation          | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|--------------------|------|----|----------------------|-----------|
| 0    | 1102 | 1102                 | Red sand and shale |      |    |                      |           |
| 1102 | 1250 |                      | Anhydrite          |      |    |                      |           |
| 1250 | 2630 |                      | Salt and anhydrite |      |    |                      |           |
| 2630 | 2788 |                      | Anhydromite        |      |    |                      |           |
| 2788 | 3031 |                      | and, dolo, anhy    |      |    |                      |           |
| 3031 | 3100 |                      | Dolomite           |      |    |                      |           |

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-71

|                        |  |
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5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. State Oil & Gas Lease No.  
E-5231

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

|  |  |
|--|--|
| Name of Operator<br>Minerals, Inc.   | 7. Unit Agreement Name                           |
| Address of Operator<br>P. O. Box 1320 - Hobbs, New Mexico 88240  | 8. Farm or Lease Name<br>Bass State              |
| Location of Well<br>UNIT LETTER <u>F</u> <u>1700</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM<br>THE <u>West</u> LINE, SECTION <u>18</u> TOWNSHIP <u>20S</u> RANGE <u>33E</u> NMPM. | 9. Well No.<br>2                                 |
|  | 10. Field and Pool, or Whdeat<br>Salt Lake Yates |
| 11. Elevation (Show whether DF, RT, GR, etc.)<br>3499' GL  | 12. County<br>Lea                                |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

|   |   |
|---|---|
| REFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> |
| REILY ABANDON <input type="checkbox"/>        | CHANGE PLANS <input type="checkbox"/>     |
| ALTER CASING <input type="checkbox"/>         | OTHER <input type="checkbox"/>            |

SUBSEQUENT REPORT OF:

|   |  |
|---|--|
| REMEDIAL WORK <input type="checkbox"/>              | ALTERING CASING <input type="checkbox"/>                 |
| COMMENCE DRILLING OPNS. <input type="checkbox"/>    | PLUG AND ABANDONMENT <input checked="" type="checkbox"/> |
| CASING TEST AND CEMENT JOB <input type="checkbox"/> | OTHER <input type="checkbox"/>                           |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-21-22-82

PBD 3040'. Open perforations 2924'-3004'. POOH w/36 jts rods and 30 jts tubing. R/U Halliburton. Change well heads. Start picking up tubing w/SV Tool @ 6:30 PM. Finish picking up 93 jts tubing and set tool @ 8:00 PM @ 2883'. Hook up Halliburton and start circ hole to clean hole. Pump 50 sks 50/50 Poz mix w/2% gel and 3% salt (cmt. wt. -14.0 - 14.5 ppg). Dump 10 sks cmt on retainer. POOH w/5 stds and pump 250 sks cmt. POOH and lay down 40 jts tubing. Pump 200 sk cmt POOH and lay down tubing and SV Tool. RIH w/5 stds tubing. Pump 50 sks cmt and laydown tubing. Circ to surface. Plug Complete @ 1:00 AM.

Pit has been backfilled and area has been cleared and leveled.

Plugging witnessed by Eddie Seay, Hobbs OCD.

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

*[Signature]*

TITLE Vice President, Engineering

DATE 12-17-82

*[Signature]*

OIL & GAS INSPECTOR

DATE 3-21-83

N.

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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## WELL RECORD

|  |  |  |  |  |  |  |  |  |  |
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Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE** If State Land submit 6 Copies

**RANDALL F. MONTGOMERY, OPERATOR**

**BASS STATE**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Well No. 2, in 8E NW 18 of Sec. 20-S, T. 33-E, NMPM.  
SALT LAKE Pool, LEA County.  
Well is 1700 feet from NORTH line and 1650 feet from WEST line  
of Section 18. If State Land the Oil and Gas Lease No. is E-5231  
Drilling Commenced January 2, 1964 Drilling was Completed January 12, 1964  
Name of Drilling Contractor GACKLE DRILLING CO., INC.  
Address HOBBBS, NEW MEXICO  
Elevation above sea level at Top of Tubing Head GR. 3499 L & S The information given is to be kept confidential until 19.

### OIL SANDS OR ZONES

No. 1, from 3014 to 3022 No. 4, from 3074 to 3080  
No. 2, from 3024 to 3030 No. 5, from 3048 to 3057  
No. 3, from 3048 to 3057 No. 6, from 3048 to 3057

### IMPORTANT WATER SANDS

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

No. 1, from 3014 to 3022 feet.  
No. 2, from 3024 to 3030 feet.  
No. 3, from 3048 to 3057 feet.  
No. 4, from 3048 to 3057 feet.

### CASING RECORD

| SIZE  | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SMOG | CUT AND PULLED FROM | PERFORATIONS                   | PURPOSE      |
|-------|-----------------|-------------|--------|--------------|---------------------|--------------------------------|--------------|
| 9 5/8 | 19.4            | NEW         | 1085   | GUIDE        |                     |                                | SURFACE      |
| 7     | 23              | USED        | 2723   | GUIDE        |                     |                                | Intermediate |
| 4 1/2 | 9.5             | USED        | 431    | BAKER WFL    |                     | 3014-22, 24-30<br>48-52, 74-80 | Production   |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 12 1/4       | 9 5/8          | 1085      | 410                 | POP         |             |                    |
| 8 3/4        | 7              | 2723      | 450                 | POP         |             |                    |
| 6 1/4        | 4 1/2          | 3096-2659 | 35                  | POP         |             |                    |

### RECORD OF PRODUCTION AND STIMULATION

On Completion:

(Record the Process used, No. of Qm. or Gals. used, interval treated or shot.)

Ran 98 jts. 2" tubing to 3088, 4' Perf nipple, bull plugged. Ran pump, Harbison-Fischer, 2 1/2" x 1 1/2" x 12', Pony Rod 2' 3/4", 87-3/4" rods, 36-7/8 Rods-Pony Rods 1-6' 7/8, 1-4' 7/8, 1-2' 7/8, Perf 4 crack jet shots/ft and acidised 5,000 gals. 15% NEA W/100 ball sealers

1 PP 25 BO 100 BW PD

Result of Production Stimulation



# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 3100 feet, and from 0 feet to 0 feet.  
Cable tools were used from 0 feet to 3100 feet, and from 0 feet to 0 feet.

## PRODUCTION

Put to Producing February 2, 1964  
OIL WELL: The production during the first 24 hours was 125 barrels of liquid of which 20% was oil; 80% was emulsion; 0% water; and 0% was sediment. A.P.I. Gravity 29  
GAS WELL: The production during the first 24 hours was 0 M.C.F. plus 0 barrels of liquid Hydrocarbon. Shut in Pressure 0 lbs.  
Length of Time Shut in 0

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

| Southeastern New Mexico |      |                 |  | Northwestern New Mexico |  |  |  |
|-------------------------|------|-----------------|--|-------------------------|--|--|--|
| T. Anhy.                | 1076 | T. Devonian.    |  | T. Ojo Alamo.           |  |  |  |
| T. Salt                 | 1278 | T. Silurian.    |  | T. Kirtland-Fruitland.  |  |  |  |
| B. Salt                 | 2635 | T. Montoya.     |  | T. Farmington.          |  |  |  |
| T. Yates.               | 2788 | T. Simpson.     |  | T. Pictured Cliffs.     |  |  |  |
| T. 7 Rivers.            | 3044 | T. McKee.       |  | T. Menefee.             |  |  |  |
| T. Queen.               |      | T. Ellenburger. |  | T. Point Lookout.       |  |  |  |
| T. Grayburg.            |      | T. Gr. Wash.    |  | T. Mancos.              |  |  |  |
| T. San Andres.          |      | T. Granite.     |  | T. Dakota.              |  |  |  |
| T. Glorieta.            |      | T.              |  | T. Morrison.            |  |  |  |
| T. Drinkard.            |      | T.              |  | T. Penn.                |  |  |  |
| T. Tubbs.               |      | T.              |  | T.                      |  |  |  |
| T. Abo.                 |      | T.              |  | T.                      |  |  |  |
| T. Penn.                |      | T.              |  | T.                      |  |  |  |
| T. Miss.                |      | T.              |  | T.                      |  |  |  |

## FORMATION RECORD

| From | To   | Thickness in Feet | Formation              | From | To | Thickness in Feet | Formation |
|------|------|-------------------|------------------------|------|----|-------------------|-----------|
| 0    | 1076 | 1076              | Red slate and sand     |      |    |                   |           |
| 1076 | 1278 | 202               | Anhydrite and Salt     |      |    |                   |           |
| 1278 | 2635 | 1357              | Salt and Anhydrite     |      |    |                   |           |
| 2635 | 2788 | 153               | Anhydrite and Dolomite |      |    |                   |           |
| 2788 | 3044 | 256               | and and Dolomite       |      |    |                   |           |
| 3044 | 3100 | 56                | Dolomite               |      |    |                   |           |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator R. F. Montgomery, Operator Address P. O. Box 2215, Hobbs, New Mexico  
Name R. F. Montgomery Position or Title Operator 2/14/64 (Date)

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-76

5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. State Oil & Gas Lease No.  
E-5231

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Minerals, Inc.

Address of Operator

P. O. Box 1320 - Hobbs, New Mexico 88240

Location of Well

UNIT LETTER D 330 FEET FROM THE North LINE AND 990 FEET FROM  
THE West LINE, SECTION 18 TOWNSHIP 20S RANGE 33E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Bass State

9. Well No.

3

10. Field and Pool, or Wildcat  
Salt Lake Yates

11. Elevation (Show whether DF, RT, GR, etc.)

3533' DF

12. County

Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
WILLY ABANDON ☐  
ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

OTHER ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-22-23-82  
PBD 3085'. Open perforations 2946'-3065'. RIH w/SV Tool and set @ 2883'.  
Pump 50 sks 50/50 Poz Mix w/2% gel and 3% salt cmt. (WT. 14.0-14.5 ppg) be-  
low RV Tool and pump 10 sks on top retainer. POOH w/5 stds tubing. R/U  
and pump 250 sks cmt. POOH and L/D 42 jts tubing. Pump 200 sks cmt. POOH  
and L/D remainder of tubing. L/D SV tool and RIH W/5 stds tubing. Pump  
50 sks cmt - circ to surface. Finish lay down tubing-plug complete @ 1:00 PM.  
Pit has been backfilled and area has been cleared and leveled.  
Plugging witnessed by Eddie Seay, Hobbs OCD.

I certify that the information above is true and complete to the best of my knowledge and belief.

WED

*[Signature]*

TITLE Vice President, Engineering

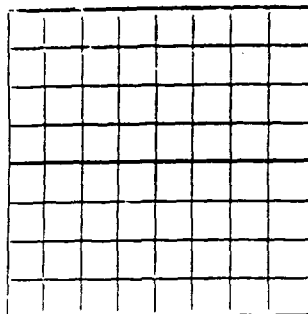
DATE 12-17-82

APPROVED BY

*[Signature]*

TITLE OIL & GAS INSPECTOR

DATE 3-21-83



# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

RANDALL F. MONTGOMERY, OPERATOR BASS STATE  
(Company or Operator) (Lease)

Well No. 3, in NW  $\frac{1}{4}$  of NW  $\frac{1}{4}$ , of Sec. 18, T. 20S, R. -33-E, NMPM.  
SALT LAKE Pool, LEA County.

Well is 330 feet from NORTH line and 990 feet from WEST line  
of Section 18. If State Land the Oil and Gas Lease No. is E 5231

Drilling Commenced March 27, 1965. Drilling was Completed April 3, 1965.

Name of Drilling Contractor CACTUS DRILLING COMPANY  
Address HOBBS, NEW MEXICO

Elevation above sea level at Top of Tubing Head DE 3533 L.S. The information given is to be kept confidential until \_\_\_\_\_, 19\_\_\_\_.

### OIL SANDS OR ZONES

No. 1, from 3096 to 3112 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, 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.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

### CASING RECORD

| SIZE         | WEIGHT PER FOOT | NEW OR USED | AMOUNT      | KIND OF SEED               | CUT AND PULLED FROM | PERFORATIONS | PURPOSE                |
|--------------|-----------------|-------------|-------------|----------------------------|---------------------|--------------|------------------------|
| <u>9 5/8</u> | <u>32.30#</u>   | <u>New</u>  | <u>1119</u> | <u>Guide</u>               |                     |              | <u>Surface</u>         |
| <u>7</u>     | <u>23#</u>      | <u>SH</u>   | <u>2749</u> | <u>Guide</u>               |                     |              | <u>Salt Protection</u> |
| <u>4 1/2</u> | <u>9.5#</u>     | <u>SH</u>   | <u>400'</u> | <u>Baker Whirlar Liner</u> | <u>3120-2720</u>    |              | <u>Production</u>      |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE  | SIZE OF CASING | WHERE SET   | NO. BAGS OF CEMENT | METHOD USED      | MUD GRAVITY   | AMOUNT OF MUD USED |
|---------------|----------------|-------------|--------------------|------------------|---|--------------------|
| <u>12 1/4</u> | <u>9 5/8</u>   | <u>1119</u> | <u>295</u>         | <u>P &amp; P</u> | <u>195 sx Incore 8% gel-100sx Incore 2% CACL</u>          |                    |
| <u>8 3/4</u>  | <u>7</u>       | <u>2749</u> | <u>435</u>         | <u>P &amp; P</u> | <u>335 sx 50-50 Poz Class A w/10% gel &amp; 13# salt/</u> |                    |
|               |                |             |                    |                  | <u>100 sx Class C w/5.5# salt/sx</u>                      |                    |
| <u>6 1/4</u>  | <u>4 1/2</u>   | <u>3120</u> | <u>35</u>          | <u>P &amp; P</u> | <u>35 sx Incore w/11# salt/sx</u>                         |                    |

### RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qm. or Gals. used, interval treated or shot.)

Perforated 1 Bl. Crack Jet w/Pip 3/8" entry hole @ 3096, 3097, 3098, 3099, 3100, 3102  
3104, 3105, 3106 & 3112. Acidized with 4 bbls. NEA 15% Acid. Ran Pipe log & found  
3 holes not broken down.

Result of Production Stimulation 31 B0 and 20 BW

Depth Cleaned Out 3118 1/2

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 3125 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing April 1, 1965

OIL WELL: The production during the first 24 hours was 51 barrels of liquid of which 60 was oil; % was emulsion; 60 % water; and % was sediment. A.P.I. Gravity 27

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

| Southeastern New Mexico |                |                       | Northwestern New Mexico |                |                       |
|-------------------------|----------------|-----------------------|-------------------------|----------------|-----------------------|
| T. Anhy. 1108           | T. Devonian    | T. Ojo Alamo          | T. Anhy. 1108           | T. Devonian    | T. Ojo Alamo          |
| T. Salt. 1190           | T. Silurian    | T. Kirtland-Fruitland | T. Salt. 1190           | T. Silurian    | T. Kirtland-Fruitland |
| B. Salt. 2590           | T. Montoya     | T. Farmington         | B. Salt. 2590           | T. Montoya     | T. Farmington         |
| T. Yates. 2818          | T. Simpson     | T. Pictured Cliffs    | T. Yates. 2818          | T. Simpson     | T. Pictured Cliffs    |
| T. 7 Rivers. 3069       | T. McKee       | T. Menefee            | T. 7 Rivers. 3069       | T. McKee       | T. Menefee            |
| T. Queen                | T. Ellenburger | T. Point Lookout      | T. Queen                | T. Ellenburger | T. Point Lookout      |
| T. Grayburg             | T. Gr. Wash.   | T. Mancos             | T. Grayburg             | T. Gr. Wash.   | T. Mancos             |
| T. San Andres           | T. Granite     | T. Dakota             | T. San Andres           | T. Granite     | T. Dakota             |
| T. Glorieta             | T.             | T. Morrison           | T. Glorieta             | T.             | T. Morrison           |
| T. Drinkard             | T.             | T. Penn.              | T. Drinkard             | T.             | T. Penn.              |
| T. Tubbs                | T.             | T.                    | T. Tubbs                | T.             | T.                    |
| T. Abo                  | T.             | T.                    | T. Abo                  | T.             | T.                    |
| T. Penn.                | T.             | T.                    | T. Penn.                | T.             | T.                    |
| T. Miss.                | T.             | T.                    | T. Miss.                | T.             | T.                    |

## FORMATION RECORD

| From | To   | Thickness in Feet | Formation            | From | To | Thickness in Feet | Formation |
|------|------|-------------------|----------------------|------|----|-------------------|-----------|
| 0    | 1108 | 1108              | Red Shale & Sand     |      |    |                   |           |
| 1108 | 1190 | 72                | Anhydrite            |      |    |                   |           |
| 1190 | 2590 | 1400              | Salt & Anhydrite     |      |    |                   |           |
| 2590 | 2818 | 228               | Anhydrite - Dolomite |      |    |                   |           |
| 2818 | 3069 | 251               | Sand & Dolomite      |      |    |                   |           |
| 3069 | 3120 | 51                | Dolomite             |      |    |                   |           |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator: RANDALL F. MONTGOMERY, OPERATOR Address: P. O. BOX 2215, BOBBS, NEW MEXICO  
Name: Position or Title: OPERATOR  
Date: April 19, 1965

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved,  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

N. M. 0149957

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Brooks Federal

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Salt Lake Yates

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

18, T-20S, R-33E, NMPM

12. COUNTY OR  
PARISH  
Lea13. STATE  
N.M.

## 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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Llano, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1320, Hobbs, New Mexico 88240

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

At surface 660' FNL &amp; 2010' FEL of Section 18

At top prod. interval reported below

At total depth

same

14. PERMIT NO.

N/A

DATE ISSUED

11-17-75

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\* 19. ELEV. CASINGHEAD

11-18-75

1-26-76

2-27-76

3511.4GL; 3513DF

--

20. TOTAL DEPTH, MD &amp; TVD 21. PLUG, BACK T.D., MD &amp; TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

3034TD

3031

N/A

→

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

3010-3030 Yates

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron Log

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 |
|-------------|-----------------|----------------|-----------|------------------------------|---------------|
| 10-3/4" OD  | 40.5            | 1200           | 12 1/2    | 500 SX lite wate             | None          |
| 7" OD       | 20 & 23         | 2707           | 8-3/4     | 300 SX lite wate +200 SX "C" | None          |
|             |                 |                |           |                              |               |
|             |                 |                |           |                              |               |

29. LINER RECORD

| SIZE      | TOP (MD) | BOTTOM (MD) | SACKS CEMENT*   | SCREEN (MD) | SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|-----------|----------|-------------|-----------------|-------------|-------|----------------|-----------------|
| 4 1/2" OD | 2608     | 3034        | 75 SX class "C" |             | 2-3/8 | 3024'          | None            |

31. PERFORATION RECORD (Interval, size and number)

3010-3014, 3018-3022, 3026-3030 w/2 JSPF  
plus 1 shot extra at bottom of each  
4' interval.

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED   |
|---------------------|--|
| 3010-3030           | spotted 200 gals 15% N.E HCL<br>flushed w/2 Bbls form H <sub>2</sub> O.<br>spotted 500 gals 15% N.E.<br>Acid, flushed w/102 Bbls lse |
|                     |  |
|                     |  |

33.\* PRODUCTION

DATE FIRST PRODUCTION 2-27-76 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping, 2"x1 1/2"x12' RWBC WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 3-1-76 HOURS TESTED 24 CHOKE SIZE N/A PROD'N. FOR TEST PERIOD → OIL—BBL. 26 GAS—MCF. TSTM WATER—BBL. 30 GAS-OIL RATIO N/A

FLOW, TUBING PRESS. 0 CASING PRESSURE --- CALCULATED 24-HOUR RATE → OIL—BBL. 26 GAS—MCF. None WATER—BBL. 30 OIL GRAVITY-API (CORR.) 28

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

None

TEST WITNESSED BY

Jack Moody

35. LIST OF ATTACHMENTS

Logs mailed directly by Schlumberger

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

SIGNED

TITLE Manager of Operations and  
Construction

DATE March 3, 1976

\*(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. | 38. GEOLOGIC MARKERS |             |                         |
|-----------|------|--------|-----------------------------|----------------------|-------------|-------------------------|
|           |      |        |                             | NAME                 | MEAS. DEPTH | TOP<br>TRUE VERT. DEPTH |
| Yates     | 3010 | 3030   | Oil & Water Bearing Zone    | Top of Salt          | 1260        |                         |
|           |      |        |                             | Base of Salt         | 2613        |                         |
|           |      |        |                             | Top of Yates         | 2793        |                         |

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| CO. S.                 |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

Name of Operator

Minerals, Inc.

Address of Operator

P.O. Box 1320, Hobbs, New Mexico 88240

Location of Well

LETTER C LOCATED 2310 FEET FROM THE West LINE AND 330 FEET FROM

North LINE OF SEC. 18 TWP. 20S REG. 33E NMPM

Date Spudded 8-11-82 16. Date T.D. Reached 9-10-82 17. Date Compl. (Ready to Prod.) 11-18-82 18. Elevations (DF, RKB, RT, GR, etc.) 3523.6 GL, 3527.6 KB 19. Elev. Casinghead --

Total Depth 3056' 21. Plug Back T.D. 3056' 22. If Multiple Compl., How Many 23. Intervals Drilled By 0-2900' Rotary Tools Cable Tools 2900'-3056'

Producing Interval(s), of this completion - Top, Bottom, Name

2900'-3056-; Yates-Seven Rivers

Type Electric and Other Logs Run

Gamma Ray 2900'-1100'

27. Was Well Cored

No

## CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD           | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|----------------------------|---------------|
| 8-5/8"      | 24#            | 1102'     | 12-1/2"   | 450 sx Lite-150 sx Cl. 'C' | Circ. 218 sx  |
| 5-1/2"      | 15.5#          | 2900'     | 7-7/8"    | 550 sx Lite-200 sx Cl. 'C' | Circ. 330 sx  |

## LINER RECORD

## TUBING RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE   | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|--------|-----------|------------|
|      |     |        |              |        | 2-3/8" | 3054'     | None       |



Perforation Record (Interval, size and number)

Open Hole from 2900'-3056'

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 3032'          | Acidz w/100 gals 20% HCl      |
| 3053           | Acidz w/100 gals 20% HCl      |

## PRODUCTION

|                    |                 |   |   |            |              |                                |                 |
|--------------------|-----------------|---|---|------------|--------------|--------------------------------|-----------------|
| First Production   |                 | Production Method (Flowing, gas lift, pumping - Size and type pump)                 |   |            |              | Well Status (Prod. or Shut-in) |                 |
| 11-10-82           |                 | Pumping - Rodpump 1 1/2"  |   |            |              | Producing                      |                 |
| Date of Test       | Hours Tested    | Choke Size  | Prod'n. For Test Period   | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 11-18-82           | 24              |   |  | 24         | 0            | 137                            | ---             |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate   | Oil - Bbl.  | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
| ----               | ----            |  | 24  | 137        | 0            | 26.0                           |                 |

Disposition of Gas (Sold, used for fuel, vented, etc.)

No gas is being produced

Test Witnessed By

George Rowland

List of Attachments

Gamma- Ray Log

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.

SIGNED

TITLE Vice President

DATE 11-19-82

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 30 through 34 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 1110'      | T. Canyon        | T. Ojo Alamo          | T. Penn. "B"      |
| T. Salt            | T. Strawn        | T. Kirtland-Fruitland | T. Penn. "C"      |
| D. Salt 2640'      | T. Atoka         | T. Pictured Cliffs    | T. Penn. "D"      |
| T. Yates 2796'     | T. Miss          | T. Cliff House        | T. Leadville      |
| T. 7 Rivers 3032'  | 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 Qtzite |
| T. Glorieta        | T. McKee         | Base Greenhorn        | T. Granite        |
| T. Paddock         | T. Ellenburger   | T. Dakota             | T.                |
| T. Blinberry       | T. Gr. Wash      | T. Morrison           | T.                |
| T. Tubb            | T. Granite       | T. Todillo            | T.                |
| T. Drinkard        | T. Delaware Sand | T. Entrada            | T.                |
| T. Abo             | T. Bone Springs  | 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 2900' to 3056' | No. 4, from to |
| No. 2, from to             | No. 5, from to |
| No. 3, from to             | No. 6, 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 |  |
| No. 4, from to feet |  |

## FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness in Feet | Formation        | From | To | Thickness in Feet | Formation |
|-------|-------|-------------------|------------------|------|----|-------------------|-----------|
| 0'    | 1110' | 1110'             | Red Shale & Sand |      |    |                   |           |
| 1110' | 2640' | 1530'             | Anhydrite        |      |    |                   |           |
| 2640' | 2796' | 156'              | Salt & Anhydrite |      |    |                   |           |
| 2796' | 3032' | 236'              | Sand & Dolomite  |      |    |                   |           |
| 3032' | 3056' | 24'               | Limestone        |      |    |                   |           |

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## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |  |
|------------------------|--|
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| LAND OFFICE            |  |
| OPERATOR               |  |

|  |
|--|
| 5a. Indicate Type of Lease   |
| State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |
| E-5231   |

|                    |  |                                    |                                 |                                    |  |       |
|--------------------|--|------------------------------------|---------------------------------|------------------------------------|--|-------|
| TYPE OF WELL       | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input type="checkbox"/>  | DRY <input type="checkbox"/>    | OTHER                              |  |       |
| TYPE OF COMPLETION | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/> | DEEPEN <input type="checkbox"/> | PLUS BACK <input type="checkbox"/> | DIFF. RESERV. <input type="checkbox"/> | OTHER |

|                        |
|------------------------|
| 7. Unit Agreement Name |
| 8. Form or Lease Name  |
| Bass State             |

|                     |  |
|---------------------|--|
| Name of Operator    | Minerals, Inc.                         |
| Address of Operator | P.O. Box 1320, Hobbs, New Mexico 88240 |
| Location of Well    |  |

|                                |                 |
|--------------------------------|-----------------|
| 9. Well No.                    | 6               |
| 10. Field and Pool, or Wildcat | Salt Lake Yates |

|              |                 |                     |               |           |
|--------------|-----------------|---------------------|---------------|-----------|
| 11. LETTER C | LOCATED 330     | FEET FROM THE North | LINE AND 1650 | FEET FROM |
| West         | LINE OF SEC. 18 | TWP. 20S            | REG. 33E      | NMPM      |

|            |     |
|------------|-----|
| 12. County | Lea |
|------------|-----|

|             |         |                       |         |                                  |        |  |                               |                      |                |
|-------------|---------|-----------------------|---------|----------------------------------|--------|--|-------------------------------|----------------------|----------------|
| Date Spud   | 1-30-83 | 16. Date T.D. Reached | 2-22-83 | 17. Date Compl. (Ready to Prod.) | 4-5-83 | 18. Elevations (DF, RKB, RT, GR, etc.) | 3523.6 GL                     | 19. Elev. Casinghead | ---            |
| Total Depth | 3079'   | 21. Plug Back T.D.    | ----    | 22. If Multiple Compl., How Many |        | 23. Intervals Drilled By               | Rotary Tools Surface to 3022' | Cable Tools          | 3022' to 3079' |

|   |                                  |                                 |     |
|---|----------------------------------|---------------------------------|-----|
| Producing Interval(s), of this completion - Top, Bottom, Name | 3022' - 3079' Yates Seven Rivers | 25. Was Directional Survey Made | Yes |
|---|----------------------------------|---------------------------------|-----|

|                                  |           |                    |    |
|----------------------------------|-----------|--------------------|----|
| Type Electric and Other Logs Run | Gamma Ray | 27. Was Well Cored | No |
|----------------------------------|-----------|--------------------|----|

| CASING RECORD (Report all strings set in well) |                |           |           |                            |               |
|--|----------------|-----------|-----------|----------------------------|---------------|
| CASING SIZE                                    | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD           | AMOUNT PULLED |
| 8 5/8"   | 24#            | 1114'     | 12 1/2"   | 335 Sx Lite, 200sx Cl 'C'  | Circ. 170sx   |
| 5 1/2"   | 14#            | 3022'     | 7 7/8"    | 660 xc Lite, 200 sx Cl 'C' | Circ. 65 sx   |
|  |                |           |           |                            |               |
|  |                |           |           |                            |               |

| LINER RECORD |     |        |              |        | 30. TUBING RECORD |           |            |
|--------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|              |     |        |              |        |                   |           |            |
|              |     |        |              |        |                   |           |            |

|  |  |                               |
|--|--|-------------------------------|
| Perforation Record (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|  | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED |
|  | Open hole from 3022' - 3079'                   | none                          |
|  |  |                               |
|  |  |                               |

|                    |         |   |    |                         |  |                                |      |
|--------------------|---------|---|----|-------------------------|--|--------------------------------|------|
| PRODUCTION         |         |   |    |                         |  |                                |      |
| First Production   | 3-21-83 | Production Method (Flowing, gas lift, pumping - Size and type pump) |    |                         |  | Well Status (Prod. or Shut-in) |      |
|                    |         | Pumping - 1 1/2" Rodpump  |    |                         |  | Prod.                          |      |
| Date of Test       | 4-5-83  | Hours Tested  | 24 | Choke Size              |  | Prod'n. For Test Period        |      |
|                    |         |   |    |                         |  | Oil - Bbl.                     | 11   |
|                    |         |   |    |                         |  | Gas - MCF                      | -0-  |
|                    |         |   |    |                         |  | Water - Bbl.                   | 155  |
|                    |         |   |    |                         |  | Gas - Oil Ratio                | ---- |
| Flow Tubing Press. |         | Casing Pressure   |    | Calculated 24-Hour Rate |  | Oil - Bbl.                     | 11   |
|                    |         |   |    |                         |  | Gas - MCF                      | -0-  |
|                    |         |   |    |                         |  | Water - Bbl.                   | 155  |
|                    |         |   |    |                         |  | Oil Gravity - API (Corr.)      | 26.0 |

|  |                          |                   |                |
|--|--------------------------|-------------------|----------------|
| Disposition of Gas (Sold, used for fuel, vented, etc.) | No gas is being produced | Test Witnessed By | George Rowland |
|--|--------------------------|-------------------|----------------|

|                     |               |
|---------------------|---------------|
| List of Attachments | Gamma Ray Log |
|---------------------|---------------|

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.

SIGNED Bob Clear TITLE Vice President DATE March 7, 1983

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 radioactivity 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 30 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1103.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

|                          |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy <u>1104'</u>     | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| T. Salt <u>2653'</u>     | T. Alaka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates <u>2806'</u>    | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers <u>3048'</u> | 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 Qizte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinberry _____       | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____            | T. Granite _____       | T. Todillo _____            | T. _____               |
| T. Drinkard _____        | T. Delaware Sand _____ | T. Entrada _____            | T. _____               |
| T. Abo _____             | T. Bone Springs _____  | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn. _____           | T. _____               | T. Permian _____            | T. _____               |
| T. Cloco (Bough C) _____ | T. _____               | T. Penn. "A" _____          | T. _____               |

OIL OR GAS SANDS OR ZONES

|                            |                            |
|----------------------------|----------------------------|
| No. 1, from _____ to _____ | No. 4, from _____ to _____ |
| No. 2, from _____ to _____ | No. 5, from _____ to _____ |
| No. 3, from _____ to _____ | No. 6, 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. _____ |
| No. 4, from _____ to _____ | feet. _____ |

FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness in Feet | Formation          | From | To | Thickness in Feet | Formation |
|-------|-------|-------------------|--------------------|------|----|-------------------|-----------|
| 0     | 1104' | 1104'             | Red shale and sand |      |    |                   |           |
| 1104' | 2653' | 1549'             | Anhydrite          |      |    |                   |           |
| 2653' | 2806' | 153'              | Sand and Anhydrite |      |    |                   |           |
| 2806' | 3048' | 242'              | Sand and Dolomite  |      |    |                   |           |
| 3048' | 3079' | 31'               | Dolomite           |      |    |                   |           |

RECEIVED  
APR 8 1983  
O.C.D.  
HOBBS OFFICE

## OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

|  |   |  |  |
|--|---|--|--|
| REPORT ON BEGINNING DRILLING OPERATIONS                    |   | REPORT ON REPAIRING WELL                       |  |
| REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL |   | REPORT ON PULLING OR OTHERWISE ALTERING CASING |  |
| REPORT ON RESULT OF TEST OF CASING SHUT-OFF                |   | REPORT ON DEEPENING WELL                       |  |
| REPORT ON RESULT OF PLUGGING OF WELL                       | X |  |  |

Seminole, Texas March 15, 1948

Date

Place

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO  
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the  
The Bay Petroleum Corporation Welch State Well No. 4 in the

Company or Operator SE NE/4 of Sec. 18, T. 20-S, R. 33-E, N. M. P. M.,  
Salt Lake Field, Lea County.

The dates of this work were as follows: 3-5 to 3-15-1947

Notice of intention to do the work was (was not) submitted on Form C-102 on 19 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3087' to 2953' Cement plug with 25 sacks of cement  
2953' to 1200' Mud  
1200' to 1152' Cement plug with 10 sacks of cement  
1152' to 10' Mud  
10' to 0' Cement plug with marker.

Recovered 1153' of 7" O.D.  
725' of 8 5/8" O.D.

Witnessed by \_\_\_\_\_ Name \_\_\_\_\_ Company \_\_\_\_\_ Title \_\_\_\_\_

Subscribed and sworn before me this \_\_\_\_\_

I hereby swear or affirm that the information given above is true and correct.

15 th day of March 19 48

Name D. W. Coffey

Harry B. Campbell

Position Production Superintendent

Harry B. Campbell Notary Public in  
and for Gaines County, Texas

Representing The Bay Petroleum Corp.

Company or Operator

My commission expires June, 1949

Address Box 216, Seminole, Texas

Remarks:

Attest my hand and seal  
this 15th day of March 1948

Date \_\_\_\_\_

Harry B. Campbell  
Name  
Title

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED  
MAR 2 1947  
HOBBS OFFICE

**WELL RECORD**

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Company or Operator

**Address**

## Welch-State

Well No. 4

in SENW

of Sec. 18

T 20S

## Leave

R. 33E N. M. P. M. Salt Lake Field Lea County.

Field ..... Lea  
east ..... west

County.

Well is 1980 feet south of the North line and 1980 feet <sup>east</sup> ~~west~~ of the ~~East~~ <sup>West</sup> line of Sec. 18

If State land the oil and gas lease is No. B-8673 Assignment No. 5

If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_

**The Lessee is \_\_\_\_\_, Address \_\_\_\_\_**

Drilling commenced February 17, 19 47. Drilling was completed March 1, 19 47.

Name of drilling contractor Donnelly Drilling Co., Address Hobbs, New Mexico

Elevation above sea level at top of casing..... 3505 ..... feet.

The information given is to be kept confidential until.....19.....

### OIL SANDS OR ZONES

No. 1, from 3075 to No. 4, from to

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

## IMPORTANT WATER SANDS

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

No. 1, from 3075 to 3079 feet. 2650' wtr. in 4 hours.

No. 2, from ..... to ..... feet.

No. 3, from ..... to ..... feet.

No. 4, from ..... to ..... feet.

## CASING RECORD

[illegible]

# **MUDDING AND CEMENTING RECORD**

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 8"           | 7"             | 2953'     | 100                 | ?           | ?           | ?                  |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |

## **PLUGS AND ADAPTERS**

Heaving plug—Material..... Length..... Depth Set.....

Adapters—Material..... Size.....

## **RECORD OF SHOOTING OR CHEMICAL TREATMENT**

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |

Results of shooting or chemical treatment.....

## **RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## **TOOLS USED**

Rotary tools were used from..... feet to..... feet, and from..... feet to..... feet

Cable tools were used from 3004 feet to 3079 feet, and from..... feet to..... feet

## **PRODUCTION**

Put to producing..... December 31, 19 41.

The production of the first 24 hours was..... barrels of fluid of which..... % was oil;..... % emulsion;..... % water; and..... % sediment. Gravity, Be.....

If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in. ....

## **EMPLOYEES**

....., Driller....., Driller  
....., Driller....., Driller

## **FORMATION RECORD ON OTHER SIDE**

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 3rd day of March, 19 47  
Lucy R. Bryant Notary Public.  
My Commission expires June 1, 1947

Midland, Texas March 3, 1947  
Name Ellis V. Lerbey  
Position Dist. Geologist  
Representing Bay Petroleum Corp.  
Address Box 1785, Midland, Texas

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION     |
|------|------|----------------------|---------------|
| 3004 | 3027 | 23                   | Hard Lime     |
| 3027 | 3045 | 18                   | Lime and Sand |
| 3045 | 3075 | 30                   | Hard Lime     |
| 3075 | 3079 | 4                    | Lime-Water    |

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPT.  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 9316  
Order No. R-111-P

APPLICATION OF THE OIL CONSERVATION  
DIVISION UPON ITS OWN MOTION TO  
REVISE ORDER R-111, AS AMENDED, PERTAINING  
TO THE POTASH AREAS OF EDDY AND LEA  
COUNTIES, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on  
February 18, 1988, at Santa Fe, New Mexico, before the Oil  
Conservation Commission of New Mexico, hereinafter referred to  
as the "Commission."

NOW, on this 21st day of April, 1988, the Commission,  
a quorum being present, having considered the testimony  
presented and the exhibits received at said hearing, and being  
fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the  
subject matter thereof.

(2) Order R-111-A was entered July 14, 1955, and since  
that time no amendments have been entered, except amendments  
to Exhibit "A" attached thereto, despite significant advances  
in drilling technology and practices.

(3) Operation under Order R-111-A has become virtually  
unworkable because of 1) the lack of tolerance on the part of  
both oil/gas and potash industries in regarding the activities  
of the other industry in areas where leasehold interests are  
overlapping and 2) confusion recording the boundaries of the  
known Potash Leasing Area (KPLA) established by the U.S.  
Bureau of Land Management (BLM) and the R-111-A area as  
amended by Orders R-111-B through O.

(4) The then Director of the Oil Conservation Division (OCD) by memorandum dated March 21, 1986 convened a study committee of volunteer representatives from the oil and potash industries and other interested parties.

(5) The committee met May 29, September 25-26, and November 13-14 (field trip) in 1986 and on March 19, 1987.

(6) By committee agreement a work committee was formed from the larger committee consisting of three members and one alternate from each industry and this work committee was chaired by the OCD Chief Petroleum Engineer and charged with the responsibility to develop proposed amendments to Order R-111-A. It met on April 30, May 1, July 23-24 and November 23, 1987.

(7) Each meeting of the work committee was held in the presence of representatives of both BLM and OCD; and at its final meeting November 23, 1987 an agreement was reached and signed by the committee members present, which agreement is attached hereto as Exhibit "B", for the purpose of providing background information and acknowledging the consensus reached by representatives of the Oil and Gas and Potash industries relating to the multiple use of resources in the potash area.

(8) Exhibit "B" is regarded by the Commission as a report of both the work committee and the full study committee since a draft copy of a nearly identical agreement was furnished to each member of the study committee for comment, and comments received thereon were addressed at the final meeting.

(9) The agreement represents a compromise by both industries, the potash operators relinquishing lower grade marginal or uneconomic ore deposits in order to more fully protect their higher grade ore deposits; and the oil/gas operators receiving such lands containing sub-economic ore deposits as prospective drill-sites.

(10) The Oil and Gas Act, 70-2-3 F NMSA 1978, declares as waste "drilling or producing operations for oil or gas within any area containing commercial deposits of potash where such operations would have the effect unduly to reduce the total quantity of such commercial deposits of potash which may reasonably be recovered -- or where such operations would interfere unduly with the orderly commercial development of such potash deposits".

(11) The Oil and Gas Act in 70-2-12 B(17) empowers the Division "to regulate and, where necessary, prohibit drilling



or producing operations for oil and gas" in areas which would cause waste as described in 70-2-3 F.

(12) The report of the work committee presents a reasonable process for determining where wells for oil and gas would cause waste of potash and the pertinent portions of said report should be contained in the order as a reasonable process for prohibiting oil and gas drilling in such areas in the absence of substantial evidence that waste of potash as described by the statute would not result.

(13) Release of methane into potash mine workings would endanger the lives of miners and would render further mining activities uneconomic because of the additional, and more expensive safety requirements which would be imposed by the Mine Safety and Health Administration (MSHA) of the U.S. Department of Labor.

(14) Salt and potash deposits are essentially non-porous and impermeable but are inter-bedded with clay seams which, in an undisturbed state are porous but of extremely low permeability.

(15) Primary mining activity creates minor localized disturbance but secondary mining causes subsidence of the overburden the effects of which tend to expand beyond the mined out area a distance approximately equal to the depth of the mined area.

(16) During the drilling of wells for oil and gas, measures should be taken to protect the salt-protection casing from internal pressures greater than the designed burst resistance plus a safety factor so as to prevent any possible entry of methane into the salt and potash interval.

(17) A proposed revision of Order R-111-A was presented at the hearing and comments were received thereon both orally at the hearing and in writing subsequent to the hearing, the record being held open for two weeks subsequent to the hearing, as announced by the Chairman.

(18) Testimony and comments both in support and in opposition to the proposed revision of the order were received at the hearing and subsequent thereto, some pointing out that the number of oil or gas wells which could be drilled under the terms of the committee report would be reduced but no comments addressed the possible waste of potash as a result of additional drilling.

(19) One member of the work committee from the potash industry testified the proposed revision of Order R-111-A failed to prohibit drilling in the commercial ore areas and was therefore contrary to the work committee report and the Oil and Gas Act.

(20) The Commission cannot abdicate its discretion to consider applications to drill as exceptions to its rules and orders but in the interest of preventing waste of potash should deny any application to drill in commercial potash areas as recommended in the work committee report, unless a clear demonstration is made that commercial potash will not be wasted unduly as a result of the drilling of the well.

(21) Confusion can be reduced and efficiencies can be obtained by making the area covered by Order R-111 coterminous with the KPLA as determined by the BLM, and the area should be expanded and contracted by the regular pool nomenclature procedure rather than by separate hearings and further revisions of Order R-111.

(22) Expansion of the R-111 area to coincide with the KPLA will bring under the purview of this order areas where potash is either absent or non-commercial and such areas should be granted less stringent casing, cementing and plugging requirements, at the discretion of the OCD district supervisor.

(23) The proposed revision of Order R-111-A will permit the drilling of wells for oil or gas in areas previously not available for such drilling and will prevent waste of potash, and further, will serve to reduce confusion and uncertainty in the conduct of operations by both the potash and oil/gas industries, all to the benefit of the state and its citizens.

IT IS THEREFORE ORDERED THAT:

This order shall be known as The Rules and Regulations Governing the Exploration and Development of Oil and Gas in Certain Areas Herein Defined, Which Are Known To Contain Potash Reserves.

A. OBJECTIVE

The objective of these Rules and Regulations is to prevent waste, protect correlative rights, assure maximum conservation of the oil, gas and potash resources of New Mexico, and permit the economic recovery of oil, gas and potash minerals in the area hereinafter defined.

B. THE POTASH AREA

(1) The Potash Area, as described in Exhibit A attached hereto and made a part hereof, represents the area in various parts of which potash mining operations are now in progress, or in which core tests indicate commercial potash reserves. Such area is coterminous with the Known Potash Leasing Area (KPLA) as determined by the U.S. Bureau of Land Management (BLM).

(2) The Potash Area, as described in Exhibit "A" may be revised by the Division after due notice and hearing at the regular pool nomenclature hearings, to reflect changes made by BLM in its KPLA.

C. DRILLING IN THE POTASH AREA

(1) All drilling of oil and gas wells in the Potash Area shall be subject to these Rules and Regulations.

(2) No wells shall be drilled for oil or gas at a location which, in the opinion of the Division or its duly authorized representative, would result in undue waste of potash deposits or constitute a hazard to or interfere unduly with mining of potash deposits.

No mining operations shall be conducted in the Potash Area that would, in the opinion of the Division or its duly authorized representative, constitute a hazard to oil or gas production, or that would unreasonably interfere with the orderly development and production from any oil or gas pool.

(3) Upon discovery of oil or gas in the Potash Area, the Oil Conservation Division may promulgate pool rules for the affected area after due notice and hearing in order to address conditions not fully covered by these rules and the general rules.

(4) The Division's District Supervisor may waive the requirements of Sections D and F which are more rigorous than the general rules upon satisfactory showing that a location is outside the Life of Mine Reserves (LMR) and surrounding buffer zone as defined hereinbelow and that no commercial potash resources will be unduly diminished.

(5) All encounters with flammable gas, including hydrogen sulfide, during drilling operations shall be reported immediately to the appropriate OCD District office followed by a written report of same.

D. DRILLING AND CASING PROGRAM

(1) For the purpose of the regulations and the drilling of wells for oil and gas, shallow and deep zones are defined as follows:

(a) The shallow zone shall include all formations above the base of the Delaware Mountain Group or, above a depth of 5,000 feet, whichever is lesser.

(b) The deep zone shall include all formations below the base of the Delaware Mountain Group or, below a depth of 5,000 feet, whichever is lesser.

(c) For the purpose of identification, the base of the Delaware Mountain Group is hereby identified as the geophysical log marker found at a depth of 7485 feet in the Richardson and Bass No. 1 Rodke well in Section 27, Township 20 South, Range 31 East, NMPM, Eddy County, New Mexico.

(2) Surface Casing String:

(a) A surface casing string of new or used oil-field casing in good condition shall be set in the "Red Bed" section of the basal Rustler formation immediately above the salt section, or in the anhydrite at the top of the salt section, as determined necessary by the regulatory representative approving the drilling operations, and the cement shall be circulated to the surface.

(b) Cement shall be allowed to stand a minimum of twelve (12) hours under pressure and a total of twenty-four (24) hours before drilling the plug or initiating tests.

(c) Casing and water-shut-off tests shall be made both before and after drilling the plug and below the casing seat as follows:

(i) If rotary tools are used, the mud shall be displaced with water and a hydraulic pressure of six hundred (600) pounds per square inch shall be applied. If a drop of one hundred (100) pounds per square inch or more should occur within thirty (30) minutes, corrective measures shall be applied.

(ii) If cable tools are used, the mud shall be bailed from the hole, and if th

hole does not remain dry for a period of one hour, corrective measures shall be applied.

(d) The above requirements for the surface casing string shall be applicable to both the shallow and deep zones.

(3) Salt Protection String:

(a) A salt protection string of new or used oil field casing in good condition shall be set not less than one hundred (100) feet nor more than six hundred (600) feet below the base of the salt section; provided that such string shall not be set below the top of the highest known oil or gas zone. With prior approval of the OCD District Supervisor the wellbore may be deviated from the vertical after completely penetrating Marker Bed No. 126 (USGS) but that section of the casing set in the deviated portion of the wellbore shall be centralized at each joint.

(b) The salt protection string shall be cemented, as follows:

(i) For wells drilled to the shallow zone, the string may be cemented with a nominal volume of cement for testing purposes only. If the exploratory test well is completed as a productive well, the string shall be re-cemented with sufficient cement to fill the annular space back of the pipe from the top of the first cementing to the surface or to the bottom of the cellar, or may be cut and pulled if the production string is cemented to the surface as provided in sub-section D (5)(a)(i) below.

(ii) For wells drilled to the deep zone, the string must be cemented with sufficient cement to fill the annular space back of the pipe from the casing seat to the surface or to the bottom of the cellar.

(c) If the cement fails to reach the surface or the bottom of the cellar, where required, the top of the cement shall be located by a temperature, gamma ray or other survey and additional cementing shall be done until the cement is brought to the point required.

(d) The fluid used to mix with the cement shall be saturated with the salts common to the zones penetrated and with suitable proportions but not less than 1% of calcium chloride by weight of cement.

(e) Cement shall be allowed to stand a minimum of twelve (12) hours under pressure and a total of twenty-four (24) hours before drilling the plug or initiating tests.

(f) Casing tests shall be made both before and after drilling the plug and below the casing seat, as follows:

(i) If rotary tools are used, the mud shall be displaced with water and a hydraulic pressure of one thousand (1000) pounds per square inch shall be applied. If a drop of one hundred (100) pounds per square inch or more should occur within thirty (30) minutes, corrective measures shall be applied.

(ii) If cable tools are used, the mud shall be bailed from the hole and if the hole does not remain dry for a period of one hour, corrective measures shall be applied.

(g) The Division, or its duly authorized representative, may require the use of centralizers on the salt protection string when in their judgment the use of such centralizers would offer further protection to the salt section.

(h) Before drilling the plug a drilling spool installed below the bottom blowout preventer or the wellhead casing outlet shall be equipped with a rupture disc or other automatic pressure-relief device set at 80% of the API-rated burst pressure of new casing or 60% of the API-rated burst pressure of used casing. The disc or relief device should be connected to the rig choke manifold system so that any flow can be controlled away from the rig. The disc or relief device shall remain installed as long as drilling activities continue in the well until the intermediate or production casing is run and cemented.

(i) The above requirements for the salt protection string shall be applicable to both the shallow and deep zones except for sub-section D (3) (b) (i) and (ii) above.

(4) Intermediate String:

(a) In drilling wells to the deep zone for oil or gas, the operator shall have the option of running an intermediate string of pipe, unless the Division requires an intermediate string be run.

(b) Cementing procedures and casing tests for the intermediate string shall be the same as provided under sub-sections D (3) (c), (e) and (f) for the salt protection string.

(5) Production String:

(a) A production string shall be set on top or through the oil or gas pay zone and shall be cemented as follows:

(i) For wells drilled to the shallow zone the production string shall be cemented to the surface if the salt protection string was cemented only with a nominal volume for testing purposes, in which case the salt protection string can be cut and pulled before the production string is cemented; provided, that if the salt protection string was cemented to the surface, the production string shall be cemented with a volume adequate to protect the pay zone and the casing above such zone.

(ii) For wells drilled to the deep zone, the production string shall be cemented with a volume adequate to protect the pay zone and the casing above such zone; provided, that if no intermediate string shall have been run and cemented to the surface, the production string shall be cemented to the surface.

(b) Cementing procedures and casing tests for the production string shall be the same as provided under sub-section D (3) (c), (e) and (f) for the salt protection string; however if high pressure oil or gas production is discovered in an area, the Division may promulgate the necessary rules to prevent the charging of the salt section.

E. DRILLING FLUID FOR SALT SECTION

The fluid used while drilling the salt section shall consist of water, to which has been added sufficient salts of a character common to the zone penetrated to completely saturate the mixture. Other admixtures may be added to the fluid by the operator in overcoming any specific problem. This requirement is specifically intended to prevent enlarged drill holes.

F. PLUGGING AND ABANDONMENT OF WELLS

(1) All wells heretofore and hereafter drilled within the Potash Area shall be plugged in a manner and in accordance with the general rules or field rules established by the Division that will provide a solid cement plug through the salt section and any water-bearing horizon and prevent liquids or gases from entering the hole above or below the salt section.

(2) The fluid used to mix the cement shall be saturated with the salts common to the salt section penetrated and with suitable proportions but not more than three (3) percent of calcium chloride by weight of cement being considered the desired mixture whenever possible.

G. DESIGNATION OF DRILLABLE LOCATION FOR WELLS

(a) Within ninety (90) days following effective date of this Order and annually thereafter by January 31 if revised, each potash lessee, without regard to whether the lease covers State or Federal lands, shall file with the District Manager, BLM, and the State Land Office (SLO), a designation of the potash deposits considered by the potash lessee to be its life-of-mine reserves ("LMR"). For purposes of this Agreement, "life-of-mine reserves" means those potash deposits within the Potash Area reasonably believed by the potash lessee to contain potash ore in sufficient thickness and grade to be mineable using current day mining methods, equipment and technology. Information used by the potash lessee in identifying its LMR shall be filed with the BLM and SLO but will be considered privileged and confidential "trade secrets and commercial . . . information" within the meaning of 43 C.F.R. §2.13(c)(4) (1986), Section 19-1-2.1 NMSA 1978, and not subject to public disclosure.

(b) Authorized officers of the BLM and SLO shall review the information submitted by each potash lessee



in support of its LMR designation on their respective lands and verify upon request, that the data used by the potash lessee in establishing the boundaries of its LMR is consistent with data available to the BLM and SLO. Any disputes between the BLM and potash lessee concerning the boundary of a designated LMR shall be resolved in accordance with the Department of Interior's Hearings and Appeals Procedures, 43 C.F.R. Part 4 (1986).

(c) A potash lessee may amend its designated LMR by filing a revised designation with the BLM and SLO accompanied by the information referred to in Section A above. Such amendments must be filed by January 31 next following the date the additional data becomes available.

(d) Authorized officers of the BLM and SLO shall commit the designated LMR of each potash lessee to a map(s) of suitable scale and thereafter revise the map(s) as necessary to reflect the latest amendments to any designated LMRs. These maps shall be considered privileged and confidential and exempt from disclosure under 43 C.F.R. Part 2 and §19-1-2.1 NMSA 1978, and will be used only for the purposes set forth in this Order.

(e) The foregoing procedure can be modified by policy changes within the BLM and State Land Office.

(2) Before commencing drilling operations for oil or gas on any lands within the Potash Area, the well operator shall prepare a map or plat showing the location of the proposed well, said map or plat to accompany each copy of the Notice of Intention to Drill. In addition to the number of copies required by the Division, the well operator shall send one copy by registered mail to each potash operator holding potash leases within a radius of one mile of the proposed well, as reflected by the plats submitted under paragraph 1 (2). The well operator shall furnish proof of the fact that said potash operators were notified by registered mail of his intent by attaching return receipt to the copies of the Notice of Intention to Drill and plats furnished the Division.

(3) Drilling applications on federal lands will be processed for approval by BLM. Applications on state or patented lands will be processed by the Division and, in the case of state lands, in collaboration with the SLO. The Division will first ascertain from the BLM or SLO that the location is not within the LMR area. Active mine workings and mined-out areas shall also be treated as LMR. Any application to drill in the LMR area, including buffer zones, may be approved only by mutual agreement of lessor and lessees of

both potash and oil and gas interests. Applications to drill outside the LMR will be approved as indicated below; provided there is no protest from potash lessee within 20 days of his receipt of a copy of the notice:

- (a) a shallow well shall be drilled no closer to the LMR than one-fourth ( $1/4$ ) mile or 110% of the depth of the ore, whichever is greater.
- (b) A deep well shall be drilled no closer than one-half ( $1/2$ ) mile from the LMR.

#### H. INSPECTION OF DRILLING AND MINING OPERATIONS

A representative of any potash lessee within a radius of one mile from the well location may be present during drilling, cementing, casing, and plugging of any oil or gas wells to observe conformance with these regulations. Likewise, a representative of the oil and gas lessee may inspect mine workings on his lease to observe conformance with these regulations.

#### I. FILING OF WELL SURVEYS, MINE SURVEYS AND POTASH DEVELOPMENT PLANS

##### (1) Directional Surveys:

The Division may require an operator to file a certified directional survey from the surface to a point below the lowest known potash-bearing horizon on any well drilled within the Potash Area.

##### (2) Mine Surveys:

Within 30 days after the adoption of this order and thereafter on or before January 31st of each year, each potash operator shall furnish the Division two copies of a plat of a survey of the location of his leaseholdings and all of his open mine workings, which plat shall be available for public inspection and on a scale acceptable to the Division.

#### J. APPLICABILITY OF STATEWIDE RULES AND REGULATIONS

All general statewide rules and regulations of the Oil Conservation Division governing the development, operation, and production of oil and gas in the State of New

-13-  
Case No. 9316  
Order No. R-111-P

Mexico not inconsistent or in conflict herewith, are hereby adopted and made applicable to the areas described herein.

IT IS FURTHER ORDERED THAT:

(1) Order R-111 and amendments through R-111-O are hereby rescinded.

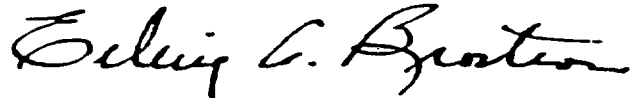
(2) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

Done at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



WILLIAM R. HUMPHRIES, Member

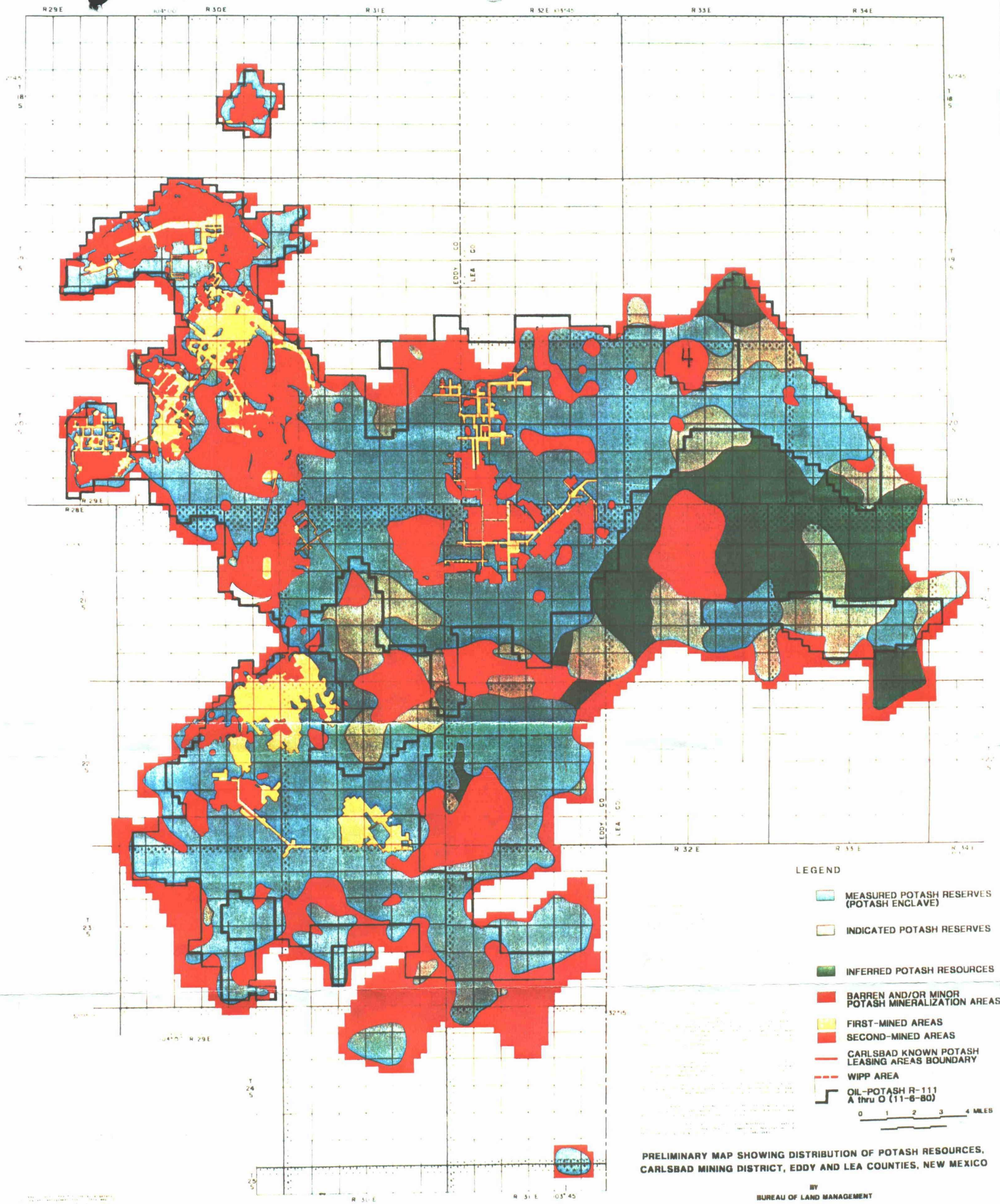


ERLING A. BROSTUEN, Member



WILLIAM J. LEMAY, Chairman  
and Secretary







**PRELIMINARY MAP SHOWING DISTRIBUTION OF POTASH RESOURCES,  
CARLSBAD MINING DISTRICT, EDDY & LEA COUNTIES, NEW MEXICO**

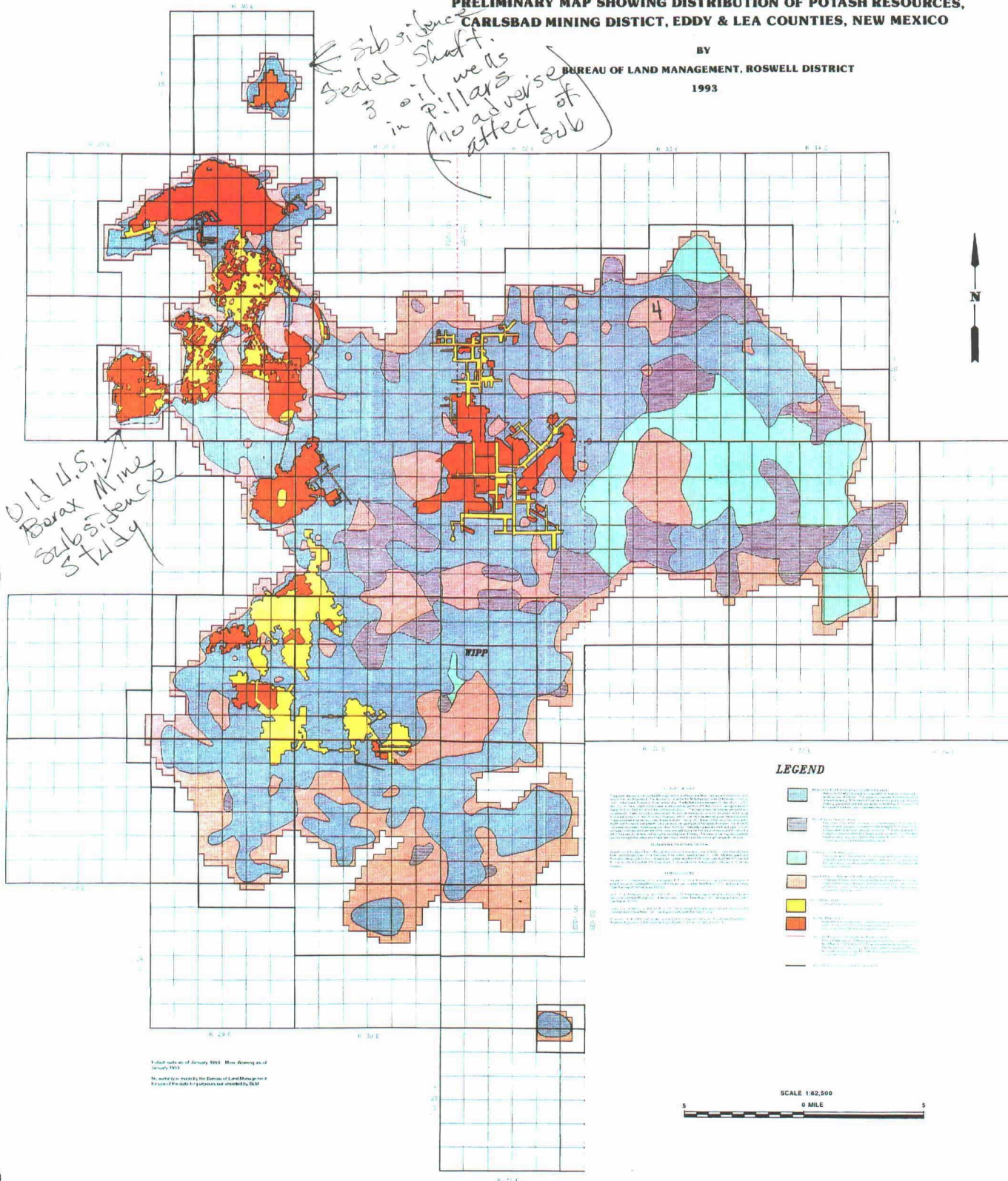
BY

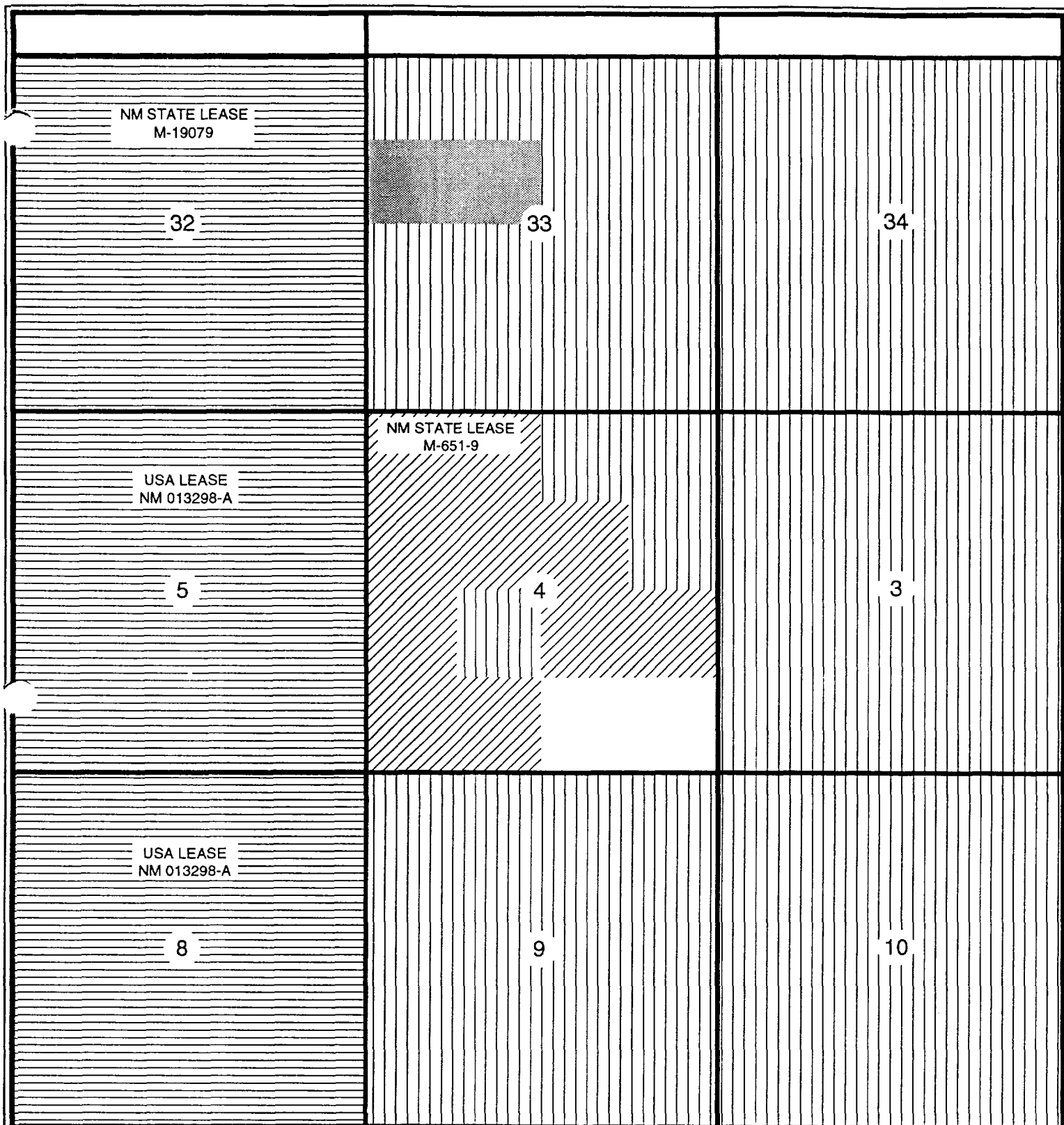
BUREAU OF LAND MANAGEMENT, ROSWELL DISTRICT

1993

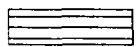
PRELIMINARY MAP S  
CARLSBAD MINING I  
BUREAU  
Subsidence  
Sealed Shaft.  
3 oil wells  
in Pillars  
No advise  
affect of sub

Old U.S.  
Barax Mine  
subsidence  
study

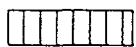




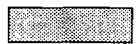
MISSISSIPPI POTASH, INC./  
(MISSISSIPPI CHEMICAL, INC.)



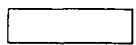
IMC FERTILIZER, INC. /  
NORANDA EXPLORATION CORP.



UNLEASED FEDERAL



UNLEASED STATE



UNLEASED FEE



**Mitchell Energy Corporation**  
P.O. BOX 4000 • THE WOODLANDS, TEXAS 77387-4000

Anasazi / Scharbauer Area  
Section 4, Township 20S, Range 33E  
Lea County, New Mexico

DATE: 4-21-94

SCALE: 1"=2000'

F. A. Co. Form No. 103 - 12

FEDERAL ABSTRACT COMPANY  
P. O. BOX 2288  
SANTA FE, NEW MEXICO 87501

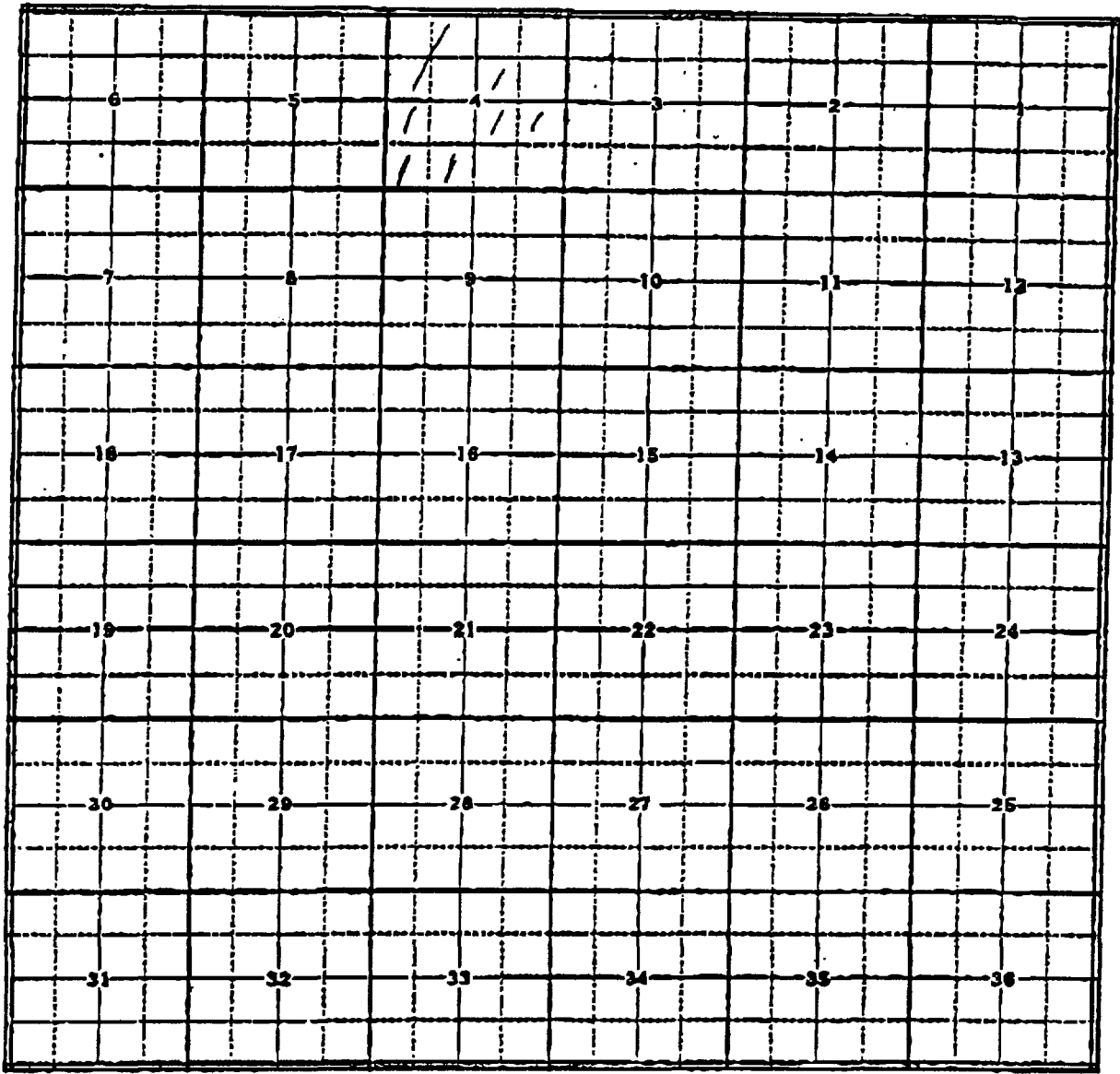
RED - STATE LAND  
BLUE - FEE LAND

TWP., 20 S RGE 33 E N.M.P.M.

Lea COUNTY

DATE April 20, 1994

STATE POTASH OWNERSHIP



1. M-651-9 Lease issued 12/14/1936, held by Production  
Lessee: Mississippi Potash Inc., P.O. Box 1914, Yazoo City,  
MS 39194

Z. A. Co. Form No. 308 - 1K

## FEDERAL ABSTRACT COMPANY

P. O. BOX 2265

SANTA FE, NEW MEXICO 87501



RED - STATE LAND

BLUE - FEE LAND

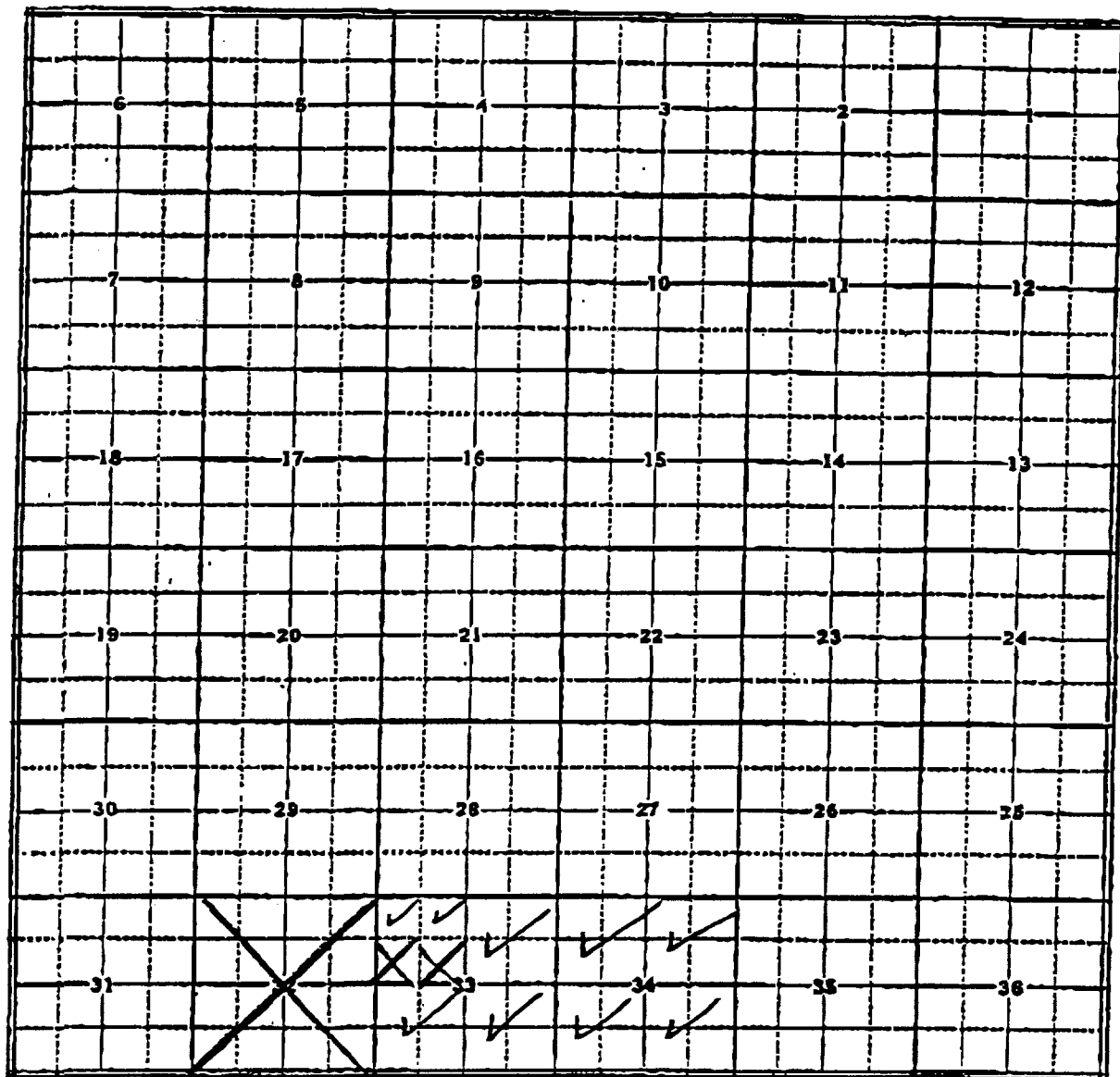
(✓) Open Federal Land for Potash

TWP., 19 S RGE 33 E N.M.P.M.Lea

COUNTY

DATE April 20, 1994

## Potash Ownership





1. NM 013298-A      Lease issued 2/24/1953, held by  
Production  
Lessee: Noranda Exploration Inc., P.O. Box 15638,  
Denver, CO. 80215

P. A. Co. Form No. 100 - 1M

## FEDERAL ABSTRACT COMPANY

P. O. BOX 1208

SANTA FE, NEW MEXICO 87501

RED - STATE LAND

BLUE - FEE LAND

(✓) Open State Land for Potash

TWP. 19 S RGE 33 E N.M.P.M.Lea

COUNTY

DATE April 20, 1994

## State Ownership

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |

1. M-19079 Lease expired 2/21/1995  
Lessee: Noranda Exploration Inc., P.O. Box 15638, Denver,  
Colo. 80215

October 22, 1993

TO ALL PARTIES ON ATTACHED LIST

Re: Anasazi Area Wells  
West Teas (Yates/Seven Rivers) Pool  
Section 4, Township 20S, Range 33E  
Lea County, New Mexico

Dear Sir or Madam:

By copy of this letter, Mitchell Energy Corporation notifies you that it intends to file an Application for Permit to Drill (APD) with the New Mexico Oil Conservation Division (NMOCD) and/or the Bureau of Land Management (BLM) for the following wells:

1. Anasazi "4" State Well No. 1  
Unit Letter N, 330' FSL & 1,980' FWL
2. Anasazi "4" State Well No. 2  
Unit Letter I, 660' FEL & 1,650' FSL
3. Anasazi "4" State Well No. 3  
Unit Letter J, 1,980' FEL & 1,650' FSL
4. Anasazi "4" State Well No. 4  
Unit Letter G, 2,310' FNL & 1,980' FEL
5. Anasazi "4" Federal Well No. 5  
Unit Letter K, 1,980' FWL & 1,650' FSL
6. Anasazi "4" Federal Well No. 6  
Unit Letter H, 2,150' FNL & 660' FEL
7. Anasazi "4" State Well No. 9  
Unit Letter M, 660' FWL & 330' FSL
8. Anasazi "4" State Well No. 10  
Unit Letter L, 660' FWL & 1,650' FSL
9. Scharbauer "4" Well No. 2  
Unit Letter O, 330' FSL & 2,055' FEL
10. Scharbauer "4" Well No. 3  
Unit Letter P, 660' FSL & 660' FEL

In connection with these applications, Mitchell intends to request that the BLM and/ or the NMOCD waive the requirement to set a "salt protection casing string" in these wells. Attached is a copy of the APD filed with the BLM or NMOCD for each of these wells.

If you would like additional information concerning these wells, please contact me at (713) 377-5818.

Very truly yours,

MITCHELL ENERGY CORPORATION



Mark N. Stephenson  
Manager, Production Regulatory Affairs

cc: Mike Stogner - NMOCD Santa Fe

MNS:kmo

Enc.

SERVICE LIST

Anasazi Area Wells

West Teas (Yates/Seven Rivers) Pool  
Section 4, Township 20S, Range 33 East  
Lea County, New Mexico

John R. Anderson Certified Mail #143 506 899  
P. O. Box 136  
Gail, Texas 70738

Roy E. Lee Certified Mail #143 506 900  
600 Goliad Ave.  
Albuquerque, New Mexico 87107

R.D. Lee, Jr. & Leora Lee Certified Mail #143 506 901  
P. O. Box 363  
Lovington, New Mexico 88260

Giles M. Lee & Jole Anderson Lee Certified Mail #143 506 902  
West Star Route, Box 478  
Lovington, New Mexico 88260

Mary Ann Ham Certified Mail #143 506 903  
H.C. 64, Box 22  
Big Lake, Texas 76932

Becky Brooks Christmas Certified Mail #143 506 904  
P. O. Box 173  
Wagon Mound, New Mexico 87752

Elizabeth Forrester Berry Certified Mail #143 506 905  
& Daniel C. Berry, III  
P. O. Box 160  
Eunice, New Mexico 88231

Brookie Lee Green Certified Mail #143 506 906  
& Don Green  
2814 Emerson Place  
Midland, Texas 79701

Malcolm S. Anderson Certified Mail #143 506 907  
2010 46th Avenue #N-3  
Greeley, Colorado 80634

Robert Romero, Executor Certified Mail #143 506 908  
Est. of W. A. Anderson, Jr. Deceased  
8560 Park Lane #25  
Dallas, Texas 75321

SERVICE LIST

Anasazi Area Wells  
West Teas (Yates/Seven Rivers) Pool  
Section 4, Township 20S, Range 33 East  
Lea County, New Mexico

Commissioner of Public Lands    Certified Mail #143 506 892  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87504  
Attn: Floyd Prando

Bureau of Land Management    Certified Mail #143 506 893  
Carlsbad Resources Area  
P. O. Box 1778  
Carlsbad, New Mexico 88220

Bureau of Land Management    Certified Mail #143 506 894  
Roswell District Office  
P. O. Box 1397  
Roswell, New Mexico 88202

Oil Conservation Division    Certified Mail #143 506 895  
P. O. Box 1980  
Hobbs, New Mexico 88241  
Attn: Jerry Sexton

Mississippi Chemical Corporation    Certified Mail #143 506 896  
1996 Potash Mine Road  
Carlsbad, New Mexico 88220

Noranda Exploration, Inc.    Registered PS Form 2865  
Suite 800  
4 King Street West  
Toronto, Canada M5H3X2

Scharbauer Cattle Company    Certified Mail #143 506 898  
P. O. Box 1471  
Midland, Texas 79701

3. Article Addressed to: Elizabeth Forrester Berry & Daniel C. Berry, III P.O. Box 160 Eunice, NM 88231 4a. Article Number 143 506 903 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 11-3-93 5. Signature (Addressee) Libby Berry 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to: Brookie Lee & Don Green 2814 Emerson Place Midland, TX 79701 4a. Article Number 143 506 903 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 10-22 ltr. - Anasazi Area Wells 10-24-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: Mary Ann Ham H.C. 64, Box 22 Big Lake, TX 76932 4a. Article Number 143 506 903 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 10-29-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: Becky Brooks Christmas P.O. Box 173 Wagon Mound, NM 87752 4a. Article Number 143 506 904 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 10-29-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: R.D. Lee, Jr. & Leora Lee P.O. Box 363 Lovington, NM 88260 4a. Article Number 143 506 901 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 10-29-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: Giles McLee & Joie Anderson Lee West Star Route, Box 478 Lovington, NM 88260 4a. Article Number 143 506 902 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 10-29-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: Roy R. Lee 600 Coliad Ave., Albuquerque, NM 87107 4a. Article Number 143 506 899 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 11-19-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

SENDER: I also wish to receive the following services (for an extra fee): 1. Addressee's Address 2. Restricted Delivery Consult postmaster for fee. 3. Article Addressed to: John R. Anderson P.O. Box 1200 Gail, NM 87701 4a. Article Number 143 506 899 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 11-19-93 5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
1990 Potash Mine Rd.  
Carlsbad, NM 88220

4a. Article Number  
143 506 896

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10/22/93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
Scharbauer Cattle  
Company  
P.O. Box 1471  
Midland, TX 79701

4a. Article Number  
143 506 896

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10/22/93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
Bureau of Land Management  
Carlsbad Resources Area  
P.O. Box 1778  
Carlsbad, NM 88220

4a. Article Number  
143 506 893

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10/22/93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
Oil Conservation Div.  
P.O. Box 1980  
Hobbs, NM 88241  
Attn: Jerry Sexton

4a. Article Number  
143 506 895

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10-27-93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
Commissioner of Public Lands  
State of NM  
P.O. Box 1148  
Santa Fe, NM 87504  
Attn: Floyd Prando

4a. Article Number  
143 506 892

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10/22/93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
BLM  
Roswell District Office  
P.O. Box 13397  
Roswell, NM 88202

4a. Article Number  
143 506 894

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10/29/93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
Malcolm S. Anderson  
2010 4th Ave. SW  
Greeley, Colorado 80639

4a. Article Number  
143 506 908

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10-30-93

5. Signature (Addressee)  
[Signature]

6. Signature (Agent)  
[Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

3. Article Addressed to:  
[Illegible]

4a. Article Number  
143 506 908

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
10-30-93

5. Signature (Addressee)  
[Illegible]

6. Signature (Agent)  
[Illegible]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 DOMESTIC RETURN RECEIPT

MMS R/LK

**VIA CERTIFIED MAIL**  
**Receipt No. P 225 375 377**

February 21, 1994

Mr. Dan Morehouse  
International Minerals Company (IMC)  
P.O. Box 71  
Carlsbad, NM 88220

Re: NMOCD Case 10858  
Application of Mitchell Energy Corporation  
for Waiver of Salt Protection String Requirements  
of Order R-111-P for Certain Wells  
Lea County, New Mexico



Dear Mr. Morehouse:

Frank Condon with Noranda Exploration, Inc. recently advised me of their intent to assign their interest in the "West Block" Life of Mine Reserve to IMC and suggested that I contact you in regard to the subject application which is presently set for hearing before the NMOCD on March 17, 1993. The purpose of the application is to secure regulatory approval to delete the "salt protection string" for wells Mitchell Energy Corporation plans to drill in Section 4, Township 20 South, Range 33 East, Lea County, New Mexico. The proposed wells would be shallow oil wells which would produce from the Yates-Seven Rivers formation at approximate depth of 3500 feet. These wells are expected to produce only small quantities of casinghead gas, along with the oil. Until recently, the BLM has routinely approved a two-string casing program for wells in this area which were drilled to the Yates-Seven Rivers formation. However, the BLM is now requiring Mitchell to secure NMOCD approval of the proposed casing program.

Mitchell believes the proposed two-string casing program for these wells satisfies the "salt protection string" waiver provisions of Order R-111-P which provides that "... areas where potash is absent or non-commercial ... should be granted less stringent casing, cementing, and plugging requirements ... ." The Order also indicates that "the Division's District Supervisor may waive the requirements of Sections D and F (drilling, casing, and plug and abandonment) which are more rigorous than the general rules upon a satisfactory showing that the location is outside the Life of Mine Reserves (LMR) and surrounding buffer zone as defined below and that no commercial potash resources will be unduly diminished."



International Minerals Company (IMC)  
February 21, 1994  
Page 2

According to the "1993 Potash Map" prepared by the BLM, the proposed wells would be located in a large barren area. The nearest potash mine (Mississippi Potash) is approximately six (6) miles west of this area. It is my understanding that all of the proposed locations are at least one-half mile from the "West Block" LMR, with most locations being more than one-mile from the LMR. Mitchell has received verification from a minerals management consultant that this area does not contain potash ore in sufficient thickness and grade to be mineable using current day mining methods, equipment and technology.

As required by Order R-111-P, I have enclosed a copy of the Application for Permit to Drill filed with the BLM or NMOCD for each of the proposed wells. I would appreciate your letting me know whether IMC has any objections to this application. If I may be of further assistance, please call me at (713) 377-5818.

Very truly yours,

MITCHELL ENERGY CORPORATION



Mark N. Stephenson  
Mgr., Production Regulatory Affairs

MNS:mw  
IMCR111P.MNS

cc: Tom Kellahin - Kellahin & Kellahin - Santa Fe, NM  
William LeMay - NMOCD - Santa Fe, NM  
Richard Manus - BLM - Carlsbad, NM  
Jerry Sexton - NMOCD - Hobbs, NM

bcc: Larry Cunningham - Midland  
Homer Hershey - MND-4S  
Terry LeBlanc - MND-4S  
Jack Stanley / Don Oliver - Midland  
Jerry Taylor - MND-4N  
George Tullos - Midland  
Chris Veeder - MND-5N  
Mark Whitley / Pat Noyes / Bill Thoroughman - MND-4N

Is your RETURN ADDRESS completed on the reverse?

• Print your name and address on the reverse of the receipt if you are not the addressee.  
 • Attach this form to the front of the mailpiece, or on the inside cover if it does not permit.  
 • Write "Return Receipt Requested" on the mailpiece before the article is mailed.  
 • The Return Receipt will show to whom the article was delivered and the date delivered.

1. ☐ Addressee's Address  
 2. ☐ Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
 Mr. Dan Morehouse  
 International Minerals Co.  
 P.O. Box 71  
 Carlsbad, NM 88220

4a. Article Number  
 P 225 375 377

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
 2-25-91

5. Signature (Addressee)  
 [Signature]

6. Signature (Agent)  
 [Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★ U.S.G.P.O.: 1992-307-630 DOMESTIC RETURN RECEIPT

P 225 375 377



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
 Do not use for International Mail  
 (See Reverse)

PS Form 3800, June 1991 Mark Stephenson - MND-35

|  |         |
|--|---------|
| Mr. Dan Morehouse  |         |
| Int'l. Minerals Co. (IMC)  |         |
| P.O. Box 71  |         |
| Carlsbad, NM 88220   |         |
| Postage  | \$ 2.00 |
| Insurance  | 1.00    |
| Registered Delivery Fee  |         |
| Restricted Delivery Fee  |         |
| Return Receipt (if being<br>received by date of sale)            | 1.00    |
| Return Receipt (showing to whom<br>date and addressee's address) |         |
| Subtotal   | \$ 4.00 |

WOODLAND, TX  
 FEB 25 1991  
 USPS



RECEIVED

NOV 12 1993

PRODUCTION  
REGULATORY AFFAIRS

November 8, 1993

Mr. Mark Stephenson  
Mitchell Energy Corporation  
2001 Timberloch Place  
The Woodlands, Texas 77387-4000

Dear Mr. Stephenson,

This letter is in response to your request for waiver of the "salt protection string". As a representative of Mississippi Potash, I would like to express my displeasure with your decision to drop the extra casing string.

However, Mississippi Potash will not object to the application for waiver, or to the drilling of any of the wells in question, which are listed below. We hope this agreement will not lead to future requests for waivers in areas which do have commercial potash or are in close proximity to our mine and/or LMR.

Please disregard my letter of November 2, 1993, and any other previous objections to the following referenced wells:

1. Anasazi "4" State Well No. 1
2. Anasazi "4" State Well No. 2
3. Anasazi "4" State Well No. 3
4. Anasazi "4" State Well No. 4
5. Anasazi "4" Federal Well No. 5
6. Anasazi "4" Federal Well No. 6
7. Anasazi "4" State Well No. 9
8. Anasazi "4" State Well No. 10
9. Scharbauer "4" Well No. 2
10. Scharbauer "4" Well No. 3

I hope we can continue our favorable relationship, so each of us and our industries may benefit from the resources in this area. If I can be of further assistance, please call me.

Sincerely yours,

Ben Godwin  
Mine Engineer  
Mississippi Potash

cc: Bill LeMay - OCD Santa Fe, NM  
Richard Manus - BLM Carlsbad, NM

P.O. Box 101 • 1996 Potash Mines Road • Carlsbad, New Mexico 88220  
Phone (505) 887-5591 • FAX (505) 887-0705



Apr. 22  
~~Mar. 16~~, 1994

RECEIVED

APR 22 1994

PRODUCTION  
REGULATORY AFFAIRS

Mark N. Stephenson  
Mgr. Production Regulatory Affairs  
Mitchell Energy Corp.  
P. O. Box 4000  
The Woodlands, TX 77387-4000

Dear Mr. Stephenson:

This letter is in response to your letter dated February 21, 1994, inquiring whether IMCF has any objections to the deletion of the "salt protection string" for certain wells to be drilled in Section 4, Township 20 South, Range 33 East, Lea County, New Mexico. IMCF is in the process of acquiring potash leases in this area. The LMR of the existing orebody extends from the west to a line approximately 1/2 mile west of section 4.

Section 4 is within an area that allows for the consideration of removing the "salt protection string" requirement. IMCF has no expertise on casing integrity and will rely on the NMOCD's expertise and their mandate to ensure the safety of others from the hazards of oil and gas operations in the area.

The NMOCD should take into consideration that mining is likely to occur 1/2 mile away from some of these wells.

Sincerely,

A handwritten signature in cursive script that reads "Dan Morehouse".

Dan Morehouse  
Supt. of Mine Engineering

DM:th



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

June 8, 1993

BRUCE KING  
GOVERNOR

POST OFFICE BOX 1880  
HOBBS, NEW MEXICO 88241-1880  
(805) 393-6181

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

✓ STATE LAND OFFICE  
Attn: Ernie Szabo  
P.O. Box 1148  
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR MITCHELL ENERGY CORPORATION

LEASE NAME ANASAZI '4' STATE #2

PROPOSED LOCATION 1650/S & 660/E Sec 4, T20S, R33E

PROPOSED DEPTH 12,000'

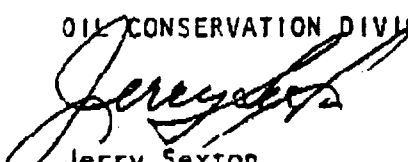
Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-III-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

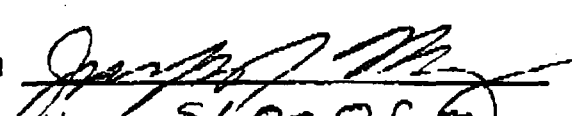
OIL CONSERVATION DIVISION

  
Jerry Sexton  
Supervisor, District I

RESPONSE:

The above-referenced location is in LMR ----- Yes ☐ No ☒

The above-referenced location is within the buffer zone----- Yes ☐ No ☒

Signed 

Date 6-14-93

Representing SLO-OGM





STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

BRUCE KING  
GOVERNOR

September 8, 1993

POST OFFICE BOX 1990  
HOBBS, NEW MEXICO 88241-1990  
(505) 383-6161

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

STATE LAND OFFICE  
Attn: ~~Ernie Stabo~~ **JOE MRAZ**  
P.O. Box 1148  
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR Mitchell Energy Corp.

LEASE NAME Anasazi 4 State #3-J, 4-20S-33E

PROPOSED LOCATION 1650/S & 1980/E

PROPOSED DEPTH 12000

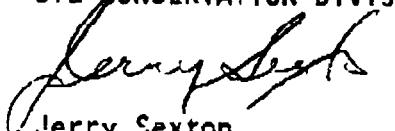
Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

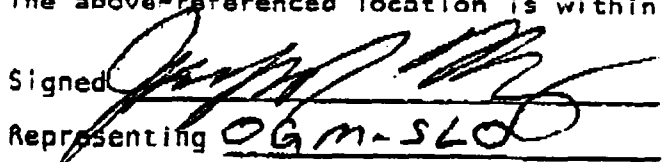
OIL CONSERVATION DIVISION

  
Jerry Sexton  
Supervisor, District I

RESPONSE:

The above-referenced location is in LMR ----- Yes No ☒

The above-referenced location is within the buffer zone ----- Yes No ☒

Signed 

Date 9-13-93

Representing OG M-SLO





STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

BRUCE KING  
GOVERNOR

September 8, 1993

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 323-6181

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

STATE LAND OFFICE  
Attn: ~~Ernie Szabo~~ Joe MRAZ  
P.O. Box 1148  
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR Mitchell Energy Corp.

LEASE NAME Anasazi 4 State #4-G, 4-20S-33E

PROPOSED LOCATION 1650/N 6 1980/E

PROPOSED DEPTH 12000

Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

  
Jerry Sexton  
Supervisor, District I

RESPONSE:

The above-referenced location is in LMR ----- Yes ☐ No ☒

The above-referenced location is within the buffer zone----- Yes ☐ No ☒

Signed 

Date \_\_\_\_\_

Representing OGM-SKO





STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

BRUCE KING  
GOVERNOR

October 27, 1993

POST OFFICE BOX 1660  
HOBBS, NEW MEXICO 88241-1660  
(505) 393-6161

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

STATE LAND OFFICE  
Attn: ~~Ernie Szabo~~  
P.O. Box 1148  
Santa Fe, NM 87504

Joe MRAZ

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR Mitchell Energy Corp.

LEASE NAME Anasazi "4" State #9-M

PROPOSED LOCATION 330/S & 660/W Sec. 4, T-20s, R-33e

PROPOSED DEPTH 3800'

Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

Jerry Sexton  
Supervisor, District I

RESPONSE:

The above-referenced location is in LMR -----

Yes

No ☒

The above-referenced location is within the buffer zone-----

Yes

No ☒

Signed Floyd O. Prado, Director

Date November 1, 1993

Representing Oil, Gas & Minerals Division  
New Mexico State Land Office









STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

BRUCE KING  
GOVERNOR

October 27, 1993

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 383-6161

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

STATE LAND OFFICE  
Attn: ~~Ernie Szabo~~ Joe MRAZ  
P.O. Box 1148  
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR Mitchell Energy Corp.

LEASE NAME Anasazi "4" State #10-L

PROPOSED LOCATION 1650/S & 660/W Sec. 4, T-20s, R-33e

PROPOSED DEPTH 3800'

Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

Jerry Sexton  
Supervisor, District 1

RESPONSE:

The above-referenced location is in LMR ----- Yes ☐ No ☒

The above-referenced location is within the buffer zone ----- Yes ☐ No ☒

Signed Floyd O. Prando, Director

Date November 1, 1993

Representing Oil, Gas & Minerals Division  
New Mexico State Land Office





STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

June 8, 1993

BRUCE KING  
GOVERNOR

POST OFFICE BOX 1080  
HOBBS NEW MEXICO 88241-1080  
(505) 383-6181

BUREAU OF LAND MANAGEMENT  
P.O. Box 1778  
Carlsbad, NM 88221

✓ STATE LAND OFFICE  
Attn: Ernie Szabo  
P.O. Box 1148  
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR MITCHELL ENERGY CORPORATION

LEASE NAME SCHARBAUER '4' #3

PROPOSED LOCATION 660/S & 660/E Sec 4, T20S, R33E

PROPOSED DEPTH 12,000'


Gentlemen:

The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

  
Jerry Sexton  
Supervisor, District I

RESPONSE:

The above-referenced location is in LMR ----- Yes ☐ No ☒

The above-referenced location is within the buffer zone----- Yes ☐ No ☒

Signed 

Date 6-14-93

Representing SLO - OGM



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION  
FOR THE PURPOSE OF CONSIDERING:

**CASE NO. 10858**

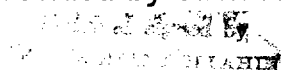
APPLICATION OF MITCHELL ENERGY  
CORPORATION FOR WAIVER OF THE  
SALT PROTECTION STRING REQUIREMENTS  
OF ORDER R-111-P FOR CERTAIN WELLS,  
LEE COUNTY, NEW MEXICO.

CERTIFICATE OF MAILING


AND

COMPLIANCE WITH ORDER R-8054

W. THOMAS KELLAHIN, attorney in fact and authorized representative of Mitchell Energy Corporation, states that the notice provisions of Division Rule 1207 (Order R-8054) have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested parties entitled to receive notice, that on the 12th day of October 1993, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for April 28, 1994, to the parties shown in the application as evidenced by the attached copies of return receipt cards, and that pursuant to Division Rule 1207, notice has been given at the correct addresses provided by such rule.

  
\_\_\_\_\_  
W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 26th day of APRIL, 1994.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

June 9, 1997

**POSTAL SERVICE OF THE UNITED STATES OF AMERICA**  
*Administration des Postes des Etats-Unis d'Amérique*

**PAR AVION**

**POSTAL SERVICE**  
*Service des postes*

To be returned by the  
 quickest route (air or  
 surface mail), if  
 decouvert and postage  
 free.

*A renvoyer par la  
 route la plus rapide  
 (aérienne ou de  
 surface), à découvert et  
 en franchise de port.*

**RETURN RECEIPT**  
*Avis de réception*

To be filled out by the sender, who will indicate his address for the return of this receipt.  
*A remplir par l'expéditeur, qui indiquera son adresse pour le retour du présent avis.*

Name of firm *Nom de la firme* *Nom de la raison sociale*  
 Kellahin & Kellahin  
 P.O. Box 2265  
 Santa Fe, New Mexico  
 87504-2265

Street and No.  
 City, State and ZIP

PS Form 2865  
 Mar. 1985

Postmark of the office  
 returning the receipt  
*Timbre du bureau  
 renvoyant l'avis*

**Registered article**  
*Envoi recommandé*

☐ Letter *Lettre* ☐ Printed Matter *Imprimé* ☐ Other *Autre* ☐ Express Mail *Express Mail International*

☐ Insured parcel *Colis avec valeur déclarée* Insured Value *Valeur déclarée* Article No.

Office of mailing Bureau or depot Date of posting Date de depot

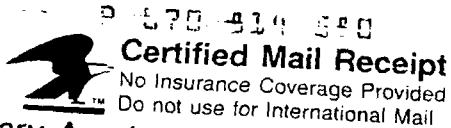
Addressee (Name or firm) Frank Condon  
 Noranda Exploration, Inc.  
 Street and No. Ru 1 Adelaide St. East #2900  
 Place and country Toronto, Ontario,  
 M5C2Z6 Canada

This receipt must be signed by the addressee or by a person authorized to do so by virtue of the regulations of the country of destination, or, if those regulations so provide, by the employee of the office of destination, and returned by the first mail directly to the sender.  
*Cet avis doit être signé par le destinataire ou par une personne y autorisée en vertu des règlements du pays de destination, ou, si ces règlements le comportent, par l'agent du bureau de destination, et renvoyé par le premier courrier directement à l'expéditeur.*

The article mentioned above was duly delivered.  
*L'envoi mentionné ci-dessus a été dûment livré.* Date

Signature of the addressee *Signature du destinataire* Signature of the employee of the office of destination *Signature de l'agent du bureau de destination*

Postmark of the office of destination  
*Timbre du bureau de destination*



Mary Ann Ham  
H.C. 64, Box 22  
Big Lake, Texas 76932

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

rm 3800, June 1990

1  
s your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mary Ann Ham  
H.C. 64, Box 22  
Big Lake, Texas 76932

4a. Article Number

670 814 580

4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

10-16-93

BR

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Brookie Lee Green  
Don Green  
2814 Emerson Place  
Midland, Texas 79701

**4a. Article Number**

670 814 585

**4b. Service Type**

- |   |   |
|---|---|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                        |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail         | <input type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

10-25-93

**5. Signature (Addressee)**

*Don Green*

**6. Signature (Sender)**

*Brookie Lee Green*

**8. Addressee's Address (Only if requested and fee is paid)**

MIDLAND TEXAS 79701

PS Form 3811, December 1991

U.S. GPO: 1992-323-402

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Brookie Lee Green  
Don Green  
2814 Emerson Place  
Midland, Texas 79701

PS Form 3800, June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

P 670 814 756



**Certified Mail Receipt**  
No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

**Commissioner of Public Lands**  
**Floyd Prado**  
**State of New Mexico**  
**P.O. 1148**  
**Santa Fe, New Mexico 87504**

PS Form 3800, June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

**Commissioner of Public Lands**  
**Floyd Prado**  
**State of New Mexico**  
**P.O. 1148**  
**Santa Fe, New Mexico 87504**

**4a. Article Number**

**670 814 756**

**4b. Service Type**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Registered | <input type="checkbox"/> Insured                        |
| <input type="checkbox"/> Certified             | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail          | <input type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

**5. Signature (Addressee)**

*Mark Taylor*

**6. Signature (Agent)**

**8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1991

★U.S. GPO: 1992-323-402

**DOMESTIC RETURN RECEIPT**

*mintell waver*

Thank you for using Return Receipt Service.



Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Elizabeth Forrester Berry  
Daniel C. Berry, III  
P.O. Box 160  
Eunice, New Mexico 88231

4a. Article Number

670 814 584

4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

10-14-93

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

D.C. Berry

PS Form 3811, Dec

RETURN RECEIPT

Thank you for using Return Receipt Service.



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Elizabeth Forrester Berry  
Daniel C. Berry, III  
P.O. Box 160  
Eunice, New Mexico  
88231

PS Form 3800, June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
  - ☐ Restricted Delivery
- Consult postmaster for fee.

**3. Article Addressed to:**

R.D. Lee, Jr  
Leora Lee  
P.O. Box 363  
Lovington, NM 88260

**4a. Article Number**

670 814581

**4b. Service Type**

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> Registered   | <input type="checkbox"/> Insured                        |
| <input type="checkbox"/> Certified    | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

10-14-93

**5. Signature (Addressee)**

*[Signature]*

**6. Signature (Agent)**

**8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811,

**RETURN RECEIPT**

Thank you for using Return Receipt Service.



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

R.D. Lee, Jr  
Leora Lee  
P.O. Box 363  
Lovington, NM 88260

PS Form 3800, June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |



# Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Malcolm S. Anderson  
2010 46th Avenue #N-3  
Greenley, Colorado 80634

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

PS Form 3800, June 1990

Is your RETURN ADDRESS completed on the reverse side?

## SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

### 3. Article Addressed to:

Malcolm S. Anderson  
2010 46th Avenue #N-3  
Greenley, Colorado 80634

### 4a. Article Number

670 814 586

### 4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

### 7. Date of Delivery

### 5. Signature (Addressee)

*M Anderson*

### 6. Signature (Agent)

OCT 14

### 8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991

★U.S. GPO: 1992-323-402

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



Giles M. Lee  
Joie Anderson Lee  
West Star Route, Box 478  
Lovington, Nm 88260

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

PS Form 3800, June 1990

your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1, and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Giles M. Lee  
Joie Anderson Lee  
West Star Route, Box 478  
Lovington, Nm 88260

4a. Article Number

670 814 582

4b. Service Type

- |   |   |
|---|---|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                        |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail         | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery



5. Signature (Addressee)

*Giles M. Lee*

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Robert Romero, Executor  
Est of W. A. Anderson, Jr.  
Deceased  
8560 Park Lane # 25  
Dallas, Texas 75321

**4a. Article Number**

670 814 587

**4b. Service Type**

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

**5. Signature (Addressee)**

**6. Signature (Agent)**

*[Handwritten Signature]*

**8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, De

**RETURN RECEIPT**

Thank you for using Return Receipt Service.

P 670 814 587



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail

Robert Romero, Executor  
Est of W. A. Anderson, Jr.  
Deceased  
8560 Park Lane # 25  
Dallas, Texas 75321

PS Form 3800, June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |



P 670 814 583

**Certified Mail Receipt**

No Insurance Coverage Provided

Do not use for International Mail

(See Reverse)

Becky Brooks Christmas  
P.O. Box 173  
Wagon Mound, NM 87752

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |

10, June 1990

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Becky Brooks Christmas  
P.O. Box 173  
Wagon Mound, NM  
87752

**4a. Article Number**

670 814 583

**4b. Service Type**

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> Registered   | <input type="checkbox"/> Insured                        |
| <input type="checkbox"/> Certified    | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

10-19-93

**5. Signature (Addressee)**

Becky Brooks Christmas

**6. Signature (Agent)****8. Addressee's Address (Only if requested and fee is paid)**

Thank you for using Return Receipt Service.

P 670 814 759



# Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Oil Conservation Division  
Jerry Sexton  
P.O. Box 1980  
Hobbs, New Mexico 88241

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |

00, June 1990

Is

your RETURN ADDRESS completed on the reverse side?

## SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:  
Oil Conservation Division  
Jerry Sexton  
P.O. Box 1980  
Hobbs, New Mexico 88241

5. Signature (Addressee)

6. Signature (Agent)

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

4b. Service Type

- ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

*Mitchell*

Thank you for using Return Receipt Service.

670 814 579



# Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Roy E. Lee  
600 Goliad Avenue  
Albuquerque, New Mexico  
87107

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

100 June 1990

*WATCH WATER*

Is your RETURN ADDRESS completed on the reverse side?

## SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
  
Roy E. Lee  
600 Goliad Avenue  
Albuquerque, New Mexico  
87107

4a. Article Number  
*670 814 579*

4b. Service Type  
☒ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
*10/13/93*

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)  
*[Signature]*

Thank you for using Return Receipt Service.



P 670 814 578



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

John R. Anderson  
P.O. Box 136  
Gail, Texas 70738

June 1990

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee                                      |    |
| Restricted Delivery Fee                                   |    |
| Return Receipt Showing to Whom & Date Delivered           |    |
| Return Receipt Showing to Whom Date & Address of Delivery |    |
| TOTAL Postage & Fees                                      | \$ |

your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

John R. Anderson  
P.O. Box 136  
Gail, Texas 70738

79738

4a. Article Number

670 814 578

4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

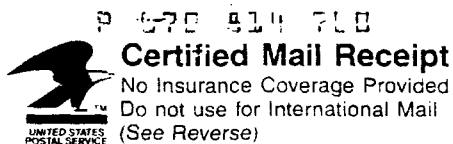
5. Signature (Addressee)

*John R. Anderson*

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.



Mississippi Chemical Corp.  
1996 Potas Mine Road  
Carlsbad, NM 88220

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |

00 June 1990

your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mississippi Chemical Corp.  
1996 Potas Mine Road  
Carlsbad, NM 88220

4a. Article Number

670 814 760

4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

10-15-93

5. Signature (Addressee)

*Charles Dancy*

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.



Scharbauer Cattle Company  
P.O. Box 1471  
Midland, Texas 79701

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

800, June 1990

your RETURN ADDRESS completed on the reverse side

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Scharbauer Cattle Company  
P.O. Box 1471  
Midland, Texas 79701

5. Signature (Addressee)

*G. Gehring*

6. Signature (Agent)

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

670 814 577

4b. Service Type

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

OCT 15 1993

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

P 670 814 757



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Bureau of Land Mangment  
Carlsbad Resources Area  
P.O. Box 1778  
Carlsbad, New Mexico 88220

|   |    |
|---|----|
| Postage   | \$ |
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |

June 1990

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bureau of Land Mangment  
Carlsbad Resources Area  
P.O. Box 1778  
Carlsbad, New Mexico 88220

4a. Article Number

P 670 814 757

4b. Service Type

- ☒ Registered ☐ Insured  
☐ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt Merchandise

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent)

*Betty Hill*

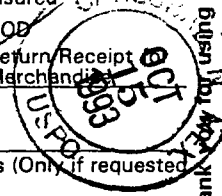
PS Form 3811, December 1991

★U.S. GPO: 1992-323-402

**DOMESTIC RETURN RECEIPT**

*Mitchell - Navier*

Thank you for using Return Receipt Service.





P 670 514 755

# Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Bureau of Land Management  
Roswell District Office  
P.O. Box 1397  
Roswell, New Mexico

|   |    |
|---|----|
| Certified Fee   |    |
| Special Delivery Fee  |    |
| Restricted Delivery Fee                                     |    |
| Return Receipt Showing to Whom & Date Delivered             |    |
| Return Receipt Showing to Whom, Date, & Address of Delivery |    |
| TOTAL Postage & Fees  | \$ |
| Postmark or Date  |    |

3800 June 1990

Is our RETURN ADDRESS completed on the reverse side?

## SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

### 3. Article Addressed to:

Bureau of Land Management  
Roswell District Office  
P.O. Box 1397  
Roswell, New Mexico

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
  2. ☐ Restricted Delivery
- Consult postmaster for fee.

### 4a. Article Number

670 514 755

### 4b. Service Type

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Registered | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified  | <input checked="" type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail          | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

### 7. Date of Delivery

10/15/93

### 5. Signature (Addressee)

*[Signature]*

### 6. Signature (Agent)

### 8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

DOMESTIC RETURN RECEIPT