

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
940'FSL, 1600'FWL, Sec.30, T-26-N, R-6-W, NMPM

5. Lease Number
SF-079265
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Klein #20
9. API Well No.
30-039-20651
10. Field and Pool
Otero Chacra
11. County and State
Rio Arriba Co, NM

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

Type of Submission

Type of Action

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other - | |

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the Chacra formation and recondition the wellbore to a water well according to the attached procedure and wellbore diagram. The well will then be turned over to Mrs. Beth Truby (HCR 80, Box 2, Counselors, New Mexico 87018).

OCT 19 1994
OIL CON. DIV.
DIST. 3
C/O REGISTRATION, NM
OCT 14 AM 10:53
RECEIVED

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

Signed [Signature] (ROS3) Title Regulatory Affairs Date 10/13/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED
AS AMENDED

OCT 17 1994
DISTRICT MANAGER

PERTINENT DATA SHEET

| WELLNAME: Klein #20 | DP NUMBER: 44846A PROP. NUMBER: 072256100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--------------|---------------------------|---------------|---------------------------|---------------|---------------|---------------|---|---------------|---|------------|-------------|------------|-----------------|-----------|-----------------|-----------|------|------|-------|---|-----------------|------------|------------|--|--|--|--|--|--|--|
| WELL TYPE: Otero Chacra | ELEVATION: GL: 6186' KB: 6198' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: 940' FSL 1600' FWL SW Sec. 30, T26N, R6W Rio Arriba County, New Mexico | INITIAL POTENTIAL: AOF 403 SICP: July, 1981 325 PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNERSHIP: GWI: 100.0000% NRI: 68.2500% | DRILLING: SPUD DATE: 06-29-73 COMPLETED: 11-01-73 TOTAL DEPTH: 3307' PBTD: 3296' COTD: 3296' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING RECORD: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>HOLE SIZE</u></th> <th style="text-align: left;"><u>SIZE</u></th> <th style="text-align: left;"><u>WEIGHT</u></th> <th style="text-align: left;"><u>GRADE</u></th> <th style="text-align: left;"><u>DEPTH</u></th> <th style="text-align: left;"><u>EQUIP.</u></th> <th style="text-align: left;"><u>CEMENT</u></th> <th style="text-align: left;"><u>TOC</u></th> </tr> </thead> <tbody> <tr> <td>13-3/4"</td> <td>9-5/8"</td> <td>32.0#</td> <td>H-40</td> <td>126'</td> <td>-</td> <td>142 cf (120 sx)</td> <td>surface</td> </tr> <tr> <td>8-3/4" & 6-3/4"</td> <td>2-7/8" NU</td> <td>6.4#</td> <td>J-55</td> <td>3307'</td> <td>-</td> <td>850 cf (390 sx)</td> <td>1325' (TS)</td> </tr> <tr> <td colspan="8">Tubingless</td> </tr> </tbody> </table> | | <u>HOLE SIZE</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>DEPTH</u> | <u>EQUIP.</u> | <u>CEMENT</u> | <u>TOC</u> | 13-3/4" | 9-5/8" | 32.0# | H-40 | 126' | - | 142 cf (120 sx) | surface | 8-3/4" & 6-3/4" | 2-7/8" NU | 6.4# | J-55 | 3307' | - | 850 cf (390 sx) | 1325' (TS) | Tubingless | | | | | | | |
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| FORMATION TOPS: <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">Nacimiento</td> <td>Surface</td> </tr> <tr> <td>Ojo Alamo</td> <td>1707'</td> </tr> <tr> <td>Kirtland</td> <td>1790'</td> </tr> <tr> <td>Fruitland</td> <td>2090'</td> </tr> <tr> <td>Pictured Cliffs</td> <td>2316'</td> </tr> <tr> <td>Lewis</td> <td>2380'</td> </tr> <tr> <td>Chacra</td> <td>3176'</td> </tr> </tbody> </table> | | Nacimiento | Surface | Ojo Alamo | 1707' | Kirtland | 1790' | Fruitland | 2090' | Pictured Cliffs | 2316' | Lewis | 2380' | Chacra | 3176' | | | | | | | | | | | | | | | | | | |
| Nacimiento | Surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ojo Alamo | 1707' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirtland | 1790' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruitland | 2090' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictured Cliffs | 2316' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lewis | 2380' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chacra | 3176' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOGGING: FDC-GR, IES, GR, Borehole Temp. w/noise log, Temp. Survey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORATIONS 3180' - 92', 3282' - 92', w/20 SPZ, Total 40 holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STIMULATION: Frac w/25,000# 20/40 sand and 26,230 gal. treated water. Dropped one set of 20 balls. Flushed w/800 gal. water. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKOVER HISTORY: None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PIPELINE: EPNG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLUG & ABANDONMENT PROCEDURE

Klein #20
Otero Chacra
SW Section 30, T-26-N, R-06-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and MOI regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. **Plug #1 (Chacra, Lewis, Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops):** PU 1-1/4", 2.3#, IJ, RIH to 3292'. Establish a rate into perforations with water. Stage #1: Mix and pump 28 sx Class B cement. Pull above cement to 1800'. WOC. Tag cement top with tubing. Stage #2: Mix and pump 27 sx Class B cement. Pull above cement to 1350' and reverse circulate. POH and LD tubing. WOC.
4. Tag cement top with wireline. Record cement top on daily report. Set BP at top of cement (proposed at 1350').
5. ND BOP and NU wellhead. Restore location. Release well to Mrs. Truby as a water well.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

Klein #20

CURRENT

Otero Chacra

SW Section 30, T-26-N, R-6-W, Rio Arriba County, NM

Today's Date: 10/3/94

Spud: 6/29/73

Completed: 11/1/73

Nacimiento @
Surface

13-3/4" hole

9-5/8" 32.0#, H-40, 8rd, Csg set @ 126'
Cmt w/142 cf (120 sx) (Circulated to Surface)

Top of Cmt @ 1325' (TS)

Ojo Alamo @ 1707'

Kirtland @ 1790'

Fruitland @ 2090'

Pictured Cliffs @ 2316'

Lewis @ 2380'

8-3/4" hole

Changed Drill Bits: 8-3/4" to 6-3/4" @ 2464'

Chacra @ 3176'

Perforations: 3180' - 92', 3282' - 92', w/20 SPZ,
Total 40 holes

6-3/4" hole

PBTD 3296'

TD 3307'

2-7/8" 6.4#, J-55, NU, 10rd, Csg set @
3307', baffle set @ 3296', Cmt w/850 cf
(390 sx)

Klein #20

PROPOSED

Otero Chacra

SW Section 30, T-26-N, R-6-W, Rio Arriba County, NM

Today's Date: 10/3/94

Spud: 6/29/73

Completed: 11/1/73

Nacimiento @
Surface

13-3/4" hole

9-5/8" 32.0#, H-40, 8rd, Csg set @ 126'
Cmt w/142 cf (120 sx) (Circulated to Surface)

1350'

Top of Cmt @ 1325' (TS)
Set BP @ 1350'

Ojo Alamo @ 1707'

Kirtland @ 1790'

Fruitland @ 2090'

Plug #1:
Stage #1 2300' - 3292',
28 sx Class B Cement;
Stage #2 1350' - 2300',
27 sx Class B Cement.

2300'

Pictured Cliffs @ 2316'

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