

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
1850' FSL, 1650' FWL, Sec. 14, T-30-N, R-7-W, NMPM

5. Lease Number
NM-012573
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
San Juan 30-6 Unit
8. Well Name & Number
San Juan 30-6 U #66
9. API Well No.
30-039-07844
10. Field and Pool
WC; Navajo City PC
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"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input type="checkbox"/> Other - |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Conversion to Injection |

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
FEB - 6 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (ROS7) Title Regulatory Affairs Date 1/27/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date APPROVED
AS AMENDED

FEB 02 1995
DISTRICT MANAGER

NMOCD

PERTINENT DATA SHEET

| WELLNAME: San Juan 30-6 Unit #66 | DP NUMBER: 69791B PROP. NUMBER: 009866402 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---------------------------------|---|---------------|------------|---|------------|------------|----------|---|---------------|------------|-----------|---------|--------|---------|-----------------|-------|-------|------|-------|---|--------|-------------|--------|--------|-------|---------------|--|---|--------|-------------|--------|-----------|--|---------------|--|---------------|-------|---------------------|--------|--------|------|------|-------|--|--|--|
| WELL TYPE: Undesignated Pictured Cliffs | ELEVATION: GL: 6100' KB: 6111' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: 1850' FSL 1650' FWL SW Sec. 14 T30N. R7W Rio Arriba County, New Mexico | INITIAL POTENTIAL: AOF N/A SICP: N/A PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNERSHIP: GWI: 100.000000% NRI: 84.040284% | DRILLING: SPUD DATE: 04-10-52 COMPLETED: 07-29-52 TOTAL DEPTH: 5490' PBTD: 4584' COTD: 4584' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">HOLE SIZE</th> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">WEIGHT</th> <th style="text-align: left;">GRADE</th> <th style="text-align: left;">DEPTH</th> <th style="text-align: left;">EQUIP.</th> <th style="text-align: left;">CEMENT</th> <th style="text-align: left;">TOC</th> </tr> </thead> <tbody> <tr> <td>13-3/4"</td> <td>9-5/8"</td> <td>36.0#</td> <td>J-55</td> <td>175'</td> <td>-</td> <td>125 sx</td> <td>surface</td> </tr> <tr> <td>8-3/4"</td> <td>7"</td> <td>20.0#</td> <td>J-55</td> <td>3105'</td> <td>-</td> <td>125 sx</td> <td>2440' (CBL)</td> </tr> <tr> <td>6-1/4"</td> <td>5-1/2"</td> <td>15.5#</td> <td>2980' - 4700'</td> <td></td> <td>-</td> <td>175 sx</td> <td>4420' (CBL)</td> </tr> <tr> <td>4-3/4"</td> <td>open hole</td> <td></td> <td>4700' - 5490'</td> <td></td> <td>Line Top Sqzd</td> <td>75 sx</td> <td>2980' - 3860' (CBL)</td> </tr> <tr> <td>Tubing</td> <td>2-3/8"</td> <td>4.7#</td> <td>J-55</td> <td>2980'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 5px;">Baker Model A-2 Pkr. Seating Nipple, 92 jts. 2-3/8". 4.7# J-55. 4 subs, 1 jt tbg set @ 2980'</p> | | HOLE SIZE | SIZE | WEIGHT | GRADE | DEPTH | EQUIP. | CEMENT | TOC | 13-3/4" | 9-5/8" | 36.0# | J-55 | 175' | - | 125 sx | surface | 8-3/4" | 7" | 20.0# | J-55 | 3105' | - | 125 sx | 2440' (CBL) | 6-1/4" | 5-1/2" | 15.5# | 2980' - 4700' | | - | 175 sx | 4420' (CBL) | 4-3/4" | open hole | | 4700' - 5490' | | Line Top Sqzd | 75 sx | 2980' - 3860' (CBL) | Tubing | 2-3/8" | 4.7# | J-55 | 2980' | | | |
| HOLE SIZE | SIZE | WEIGHT | GRADE | DEPTH | EQUIP. | CEMENT | TOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-3/4" | 9-5/8" | 36.0# | J-55 | 175' | - | 125 sx | surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-3/4" | 7" | 20.0# | J-55 | 3105' | - | 125 sx | 2440' (CBL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4-3/4" | open hole | | 4700' - 5490' | | Line Top Sqzd | 75 sx | 2980' - 3860' (CBL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tubing | 2-3/8" | 4.7# | J-55 | 2980' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORMATION TOPS: <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 60%;">Nacimiento</td> <td style="width: 20%;">1080'</td> <td style="width: 20%;">Cliff House</td> <td style="width: 20%;">4802'</td> </tr> <tr> <td>Ojo Alamo</td> <td>1984'</td> <td>Menefee</td> <td>4930'</td> </tr> <tr> <td>Kirtland</td> <td>2110'</td> <td>Point Lookout</td> <td>5352'</td> </tr> <tr> <td>Fruitland</td> <td>2713'</td> <td></td> <td></td> </tr> <tr> <td>Pictured Cliffs</td> <td>2997'</td> <td></td> <td></td> </tr> </table> | | Nacimiento | 1080' | Cliff House | 4802' | Ojo Alamo | 1984' | Menefee | 4930' | Kirtland | 2110' | Point Lookout | 5352' | Fruitland | 2713' | | | Pictured Cliffs | 2997' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nacimiento | 1080' | Cliff House | 4802' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ojo Alamo | 1984' | Menefee | 4930' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirtland | 2110' | Point Lookout | 5352' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruitland | 2713' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictured Cliffs | 2997' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOGGING: CBL, GR-I, GRN Log, RA-Tracer Log, Temp Survey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORATIONS (MV) Open Hole (PC) 3004' - 3024' w/4 SPF. Total 80 holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STIMULATION: (MV) Open Hole shot with 1600 qts. S. N. G. (PC) Frac w/163,000# 20/40 sand, 14,028 gal. gel. N2 and foam. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKOVER HISTORY: <p>April 1994: Plug MV and recomple to PC. TOOH w/54 jts tbg, parted @ 1652'. Fishing. Cut tbg @ 4727'. LD 102 jts, 2-3/8" tbg. Ran scraper. Ran CNL-CBL-GR & CCL. Set cmt retainer @ 4646'. PT 1500#. ok. Sqz w/300 sx Class B cmt w/2% CaCl. Left 1.5 bbl cmt on retainer. Set FBP @ 2990'. PT csg 3000#/15 min, ok. PT backside 1000#/15 min, ok. Spot 500 gal acid 3000' - 2800'. Perf PC 3000' - 24'. Set FBP @ 2994'. Load hole w/wtr. PT csg 1000#, failed. Set pkr @ 2955'. Isolate hole in 7" csg @ 1079'. Set pkr @ 2994'. Frac PC w/163,000# 20/40 sand, 14,028 gal. gel, N2 & foam. SI for gel break. Flowback after frac. Set RBP @ 2992'. Dump 10 gal sand on RBP. Spot 50 sx Class B cmt w/2% CaCl. Tag cm @ 816'. Drl cmt 816' - 1096'. TOOH w/RBP. CO to 4450'. Ran tracer log 2840'-3250'. Set FBP @ 2950'. PT csg, failed. Reset pkr @ 1069'. PT backside, ok. Ran scraper to 2950'. Set RBP @ 2950'. Set pkr @ 1130'. Try to pump, no go. TOOH w/pkr. TIH open ended to 1000'. Sqz w/50 sx. WOC. Drl cmt 929'-1090'. PT csg 1000#. ok. TOOH w/RBP. Ran 102 jts, 2-3/8", 4.7# J-55, tbg landed @ 3203'. ND BOP, NU WH</p> <p>July 1953: CO bridges. CO to 5490'. Tbg set @ 5358'.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>Gas</u> | <u>Oil</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 MMcf | 0 Bbl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 Mcfd | 0 Bopd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 Mcf/D | 0 bbl/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIPELINE: EPNG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLUG & ABANDONMENT PROCEDURE

1-13-95

San Juan 30-6 Unit #66
Undesignated Pictured Cliffs
SW Sec. 14, T30N, R7W
Rio Arriba County, 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. POH and tally 2-3/8" tubing (94 jts, 4 subs, Seating Nipple, @ 2980') and Baker Model A-2 packer (To release packer; find neutral point, PU 2-3 points over string weight and rotate to the right); visually inspect. If necessary PU 2" tubing workstring.
3. **Plug #1 (7" Casing Shoe, Pictured Cliffs perforations and top, 3215' - 2930')**: RIH with open ended tubing to 3215'. Pump 20 bbls water. Mix 73 sx Class B cement and spot a balanced plug from 3215' to 2930' over the Pictured Cliffs perforations. Pull out of hole and WOC. While WOC, PU 7" casing scraper or wireline gauge ring and round trip to 2110'. RIH and tag cement. Load well with water and circulate clean. Pressure test casing to 500#. Pull tubing up to 2763'.
4. **Plug #2 (Fruitland top, 2763' - 2663')**: Mix 29 sx Class B cement and spot a balanced plug from 2763' to 2663' over the Fruitland top. Pull out of hole.
5. **Plug #3 (Kirtland and Ojo Alamo tops, 2160' - 1934')**: Perforate 4 squeeze holes at 2160'. Establish rate into squeeze holes if casing tested. PU 7" cement retainer and RIH; set at 2110'. Establish rate into squeeze holes. Mix and pump 111 sx Class B cement, squeeze 58 sx cement outside casing from 2160' to 1934' and leave 53 sx cement inside casing. Pull tubing up to 1130'.
6. **Plug #4 (Nacimiento top, 1130' - 1030')**: Mix 29 sx Class B cement and spot a balanced plug from 1130' to 1030' over the Nacimiento top. POH and LD tubing.
7. **Plug #5 (Surface)**: Perforate 2 holes at 225'. Establish circulation out bradenhead valve. Mix approximately 75 sx Class B cement and pump down 7" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:


Operations Engineer

Approval:

Production Superintendent

SAN JUAN 30-6 UNIT #66

Current

Undesignated Pictured Cliffs

SW Section 14, T-30-N, R-7-W, Rio Arriba County, NM

Today's Date: 1/13 /95
Spud: 4/10/52
Completed: 7/29/52
Recompleted: 4/20/94

Nacimiento @ 1080'

Ojo Alamo @ 1984'

Kirtland @ 2110'

Fruitland @ 2713'

Pictured Cliffs @ 2997'

Mesaverde @ 4802'

13-3/4" Hole

8-3/4" Hole

6-1/4" Hole

4-3/4" Hole

9-5/8", 36.0#, J-55, Csg set @ 175',
Cmt w/125 sx (Circulated to Surface)

Workover History:

April 1994 - Squeezed off Mesaverde zone. Perfed and fraced Pictured Cliffs. Repaired 7" casing with cement twice, 50 sx and 50 sx.

May 1994 - Found top of liner leaking. Swabbed PC. then set packer below liner top.

Casing leak at 1079', sqzd w/50 sx

Casing leak at 1000' - 1130', sqzd w/50 sx

Top of Cmt @ 2440' (CBL)

94 jts, 4 subs, 2-3/8", 4.7#, J-55, tbg landed at 3203', SN 1 jt off bottom

5-1/2" Liner Top @ 2980', sqzd with 175 sx cmt in '52
Baker Model A-2 Packer @ 2980'

Pictured Cliffs Perforations:
3004' - 3024', w/4 SPF, Total 80 Holes

7", 20.0#, J-55, Csg @ 3105',
Cmt w/125 sx

Liner cement 2980' to 3860' (CBL)

Top of Cmt @ 4120' (CBL)

Cement Retainer @ 4646'

5-1/2", 15.5#, Liner from 2980' to 4700',
Cmt w/175 sx

Mesaverde open hole P&A
w/300 sx cement in April '94

PBTD 4584'

TD 5490'

SAN JUAN 30-6 UNIT #66

Proposed P & A

Undesignated Pictured Cliffs

SW Section 14, T-30-N, R-7-W, Rio Arriba County, NM

Today's Date: 1/13 /95
Spud: 4/10/52
Completed: 7/29/52
Recompleted: 4/20/94

