

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
1345'E NL, 1575'E EL, Sec. 27, T-27-N, R-9-W, NM PM

5. Lease Number
SF-078356B

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Huerfanito Unit

8. Well Name & Number
Huerfanito Unit #47

9. API Well No.
30-045-06270

10. Field and Pool
Basin Fruitland Coal

11. County and State
San Juan Co, NM

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

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

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

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 - 8 1995
OIL - 3045-06270
DIST. 3

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

Signed Patty Staasuel (ROS1) Title Regulatory Affairs Date 1/13/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

JAN 13 1995
DISTRICT MANAGER

NMOCB

PERTINENT DATA SHEET

| WELLNAME: Huerfanito Unit #47 | DP NUMBER: 49712B PROP. NUMBER: 071076311 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------|---------------------------------|---------------|---------------------------------|-----------------|-------------|---------------------------|--------|-----------------|--------|----------|---------|---------------|--------|---------------|---------|--------|--------|-------|------|-------|--|-----------------|-------------|--------|-----------|--|--|---------------|--|--|--|--------|--------|------|------|-------|--|--|--|
| WELL TYPE: Basin Fruitland Coal | ELEVATION: GL: 6335' KB: 6343' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: 1345' FNL 1575' FEL NE Sec. 27, T27N, R9W San Juan County, New Mexico | INITIAL POTENTIAL: AOF N/A SICP: N/A PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNERSHIP: GWI: 100.000000% NRI: 85.500000% | DRILLING: SPUD DATE: 04-25-56 COMPLETED: 05-12-56 TOTAL DEPTH: 2297' PBTD: 2200' COTD: 2200' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8"</td> <td>24.0#</td> <td>J-55</td> <td>104'</td> <td>-</td> <td>83 cf (70 sx)</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2"</td> <td>15.5#</td> <td>J-55</td> <td>2212'</td> <td></td> <td>118 cf (100 sx)</td> <td>1701' (75%)</td> </tr> <tr> <td>4-3/4"</td> <td>open hole</td> <td></td> <td></td> <td>2212' - 2297'</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tubing</td> <td>2-3/8"</td> <td>4.7#</td> <td>J-55</td> <td>2148'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">Ran 1 jt. SN @ 2115', 65 jts 2-3/8", 4.7#, J-55, tbg set @ 2148'.</p> | | HOLE SIZE | SIZE | WEIGHT | GRADE | DEPTH | EQUIP. | CEMENT | TOC | 12-1/4" | 8-5/8" | 24.0# | J-55 | 104' | - | 83 cf (70 sx) | surface | 7-7/8" | 5-1/2" | 15.5# | J-55 | 2212' | | 118 cf (100 sx) | 1701' (75%) | 4-3/4" | open hole | | | 2212' - 2297' | | | | Tubing | 2-3/8" | 4.7# | J-55 | 2148' | | | |
| HOLE SIZE | SIZE | WEIGHT | GRADE | DEPTH | EQUIP. | CEMENT | TOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12-1/4" | 8-5/8" | 24.0# | J-55 | 104' | - | 83 cf (70 sx) | surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-7/8" | 5-1/2" | 15.5# | J-55 | 2212' | | 118 cf (100 sx) | 1701' (75%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-3/4" | open hole | | | 2212' - 2297' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tubing | 2-3/8" | 4.7# | J-55 | 2148' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORMATION TOPS: <table style="width: 100%; margin-top: 10px;"> <tr> <td>Nacimiento</td> <td>Surface</td> </tr> <tr> <td>Ojo Alamo</td> <td>1320'</td> </tr> <tr> <td>Kirtland</td> <td>1470'</td> </tr> <tr> <td>Fruitland</td> <td>1975'</td> </tr> <tr> <td>Pictured Cliffs</td> <td>2213'</td> </tr> </table> | | Nacimiento | Surface | Ojo Alamo | 1320' | Kirtland | 1470' | Fruitland | 1975' | Pictured Cliffs | 2213' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nacimiento | Surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ojo Alamo | 1320' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirtland | 1470' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruitland | 1975' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictured Cliffs | 2213' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOGGING: GR-CCL-CNL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORATIONS (PC) Open Hole (FTC) 2089' - 2105', 2120' - 22', 2126' - 29', 2146' - 59', w/2 SPF, Total 68 holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STIMULATION: (PC) Open Hole shot with 180 qts. Nitro. (FTC) Used 3.5 bbl acid to spot. Disp w/7.7 bbl 2% KCL wtr. Used 40.6 bbl to break down perforations. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKOVER HISTORY: July 1990: Plug back PC and recomple to FTC. Ran GR-CCL-CNL 1680' - 2250'. Set CIBP @ 2200'. Load hole. PT CIBP & csg to 1000#/15 min. OK. Perf @ 2089'-2105', 2120'-22', 2126'-29', 2146'-59', w/2 SPF. TIH w/spit tool. Spot 150 gal 7.5% HCL. TOOH w/pkr. Ran 66 jts, 2-3/8", 4.7#, J-55, tbg @ 2148' (SN @ 2115'). ND BOP. NU WH. Swabbed well. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%;">PRODUCTION HISTORY:</td> <td style="width: 10%;"><u>Gas</u></td> <td style="width: 10%;"><u>Oil</u></td> <td style="width: 30%;">DATE OF LAST PRODUCTION:</td> <td style="width: 10%;"><u>Gas</u></td> <td style="width: 10%;"><u>Oil</u></td> </tr> <tr> <td>Cumulative as of Oct. 94:</td> <td>0 MMcf</td> <td>0 Bbl</td> <td></td> <td>0 Mcf/D-</td> <td>0 bbl/D</td> </tr> <tr> <td>Current Rate:</td> <td>0 Mcfd</td> <td>0 Bopd</td> <td></td> <td></td> <td></td> </tr> </table> | | PRODUCTION HISTORY: | <u>Gas</u> | <u>Oil</u> | DATE OF LAST PRODUCTION: | <u>Gas</u> | <u>Oil</u> | Cumulative as of Oct. 94: | 0 MMcf | 0 Bbl | | 0 Mcf/D- | 0 bbl/D | Current Rate: | 0 Mcfd | 0 Bopd | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION HISTORY: | <u>Gas</u> | <u>Oil</u> | DATE OF LAST PRODUCTION: | <u>Gas</u> | <u>Oil</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cumulative as of Oct. 94: | 0 MMcf | 0 Bbl | | 0 Mcf/D- | 0 bbl/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current Rate: | 0 Mcfd | 0 Bopd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIPELINE: EPNG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLUG & ABANDONMENT PROCEDURE

1-11-95

Huerfanito Unit #47
Basin Fruitland Coal
NE Section 27, T-27-N, R-09-W
San Juan 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. POH and tally 2-3/8" tubing (66 jts @ 2148', SN @ 2115'); visually inspect. If necessary PU 2" tubing workstring. PU 5-1/2" casing scraper or wireline gauge ring and round trip to 1470'.
4. **Plug #1 (Pictured Cliffs top, Fruitland Coal perforations and top, 2200' - 1925')**: RIH with open ended tubing and tag CIBP at 2200'. Pump 15 bbls water. Mix 50 sx Class B cement and spot a balanced plug from 2200' to 1925' over the Fruitland Coal perforations. Pull out of hole and WOC. RIH and tag cement. Load well with water and circulate clean. Pressure test casing to 500#. POH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1520' - 1270')**: Perforate 4 squeeze holes at 1520'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1470'. Establish rate into squeeze holes. Mix and pump 108 sx Class B cement. squeeze 74 sx cement outside casing from 1520' to 1270' and leave 34 sx cement inside casing. POH and LD tubing and setting tool.
6. **Plug #3 (Surface)**: Perforate 2 holes at 154'. Establish circulation out bradenhead valve. Mix approximately 42 sx Class B cement and pump down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
7. 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

Huerfanito Unit #47

Current

Basin Fruitland Coal

NE Section 27, T-27-N, R-9-W, San Juan County, NM

Today's Date: 1/10/95

Spud: 4/25/56

Completed: 5/12/56

Workover: 7/4/90

12-1/4" Hole

8-5/8", 24.0#, J-55. Csg set @ 104'.
Cmt w/83 cf (70 sx) (Circulated to Surface)

WORKOVER: July 1990

Pull 1" tubing. Ran logs, set CIBP @
2200'. Perfed FTC zone. Break down
perfs with packer and 150 gals 7.5% HCl;
ran 2" tbg. Swabbed well.

Ojo Alamo @ 1320'

Kirtland @ 1470'

Top of Cmt @ 1701' (Calc. 75%)

Fruitland @ 1975'

Ran 66 jts 2-3/8". 4.7#, J-55. Tbg set @ 2148'.
(SN @ 2115')

Fruitland Coal Perforations
2089' - 2159', Total 68 holes

PBTD 2200'

CIBP @ 2200'

Pictured Cliffs @ 2213'

7-7/8" Hole

5-1/2", 15.5#, J-55 Csg set @ 2212'.
Cmt w/118 cf (100 sx)

4-3/4" Hole

Open Hole Interval: 2212' - 2297'

TD 2297'

Huerfanito Unit #47

Proposed P & A

Basin Fruitland Coal

NE Section 27, T-27-N, R-9-W, San Juan County, NM

Today's Date: 1/10/95

Spud: 4/25/56

Completed: 5/12/56

Workover: 7/4/90

