

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
1650'FNL, 990'FEL, Sec.26, T-26-N, R-6-W, NMPM

RECEIVED
NOV 23 1994

OIL CON. DIV.
DIST. 3

5. Lease Number
SF-079266
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Vaughn #1
9. API Well No.
30-039-06323
10. Field and Pool
Basin Fruitland Coal
11. County and State
Rio Arriba 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.

NOV 15 2011:27
OIL CON. DIV., NM

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

Signed [Signature] (ROS3) Title Regulatory Affairs Date 11/14/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

NOV 10 1994

DISTRICT MANAGER

UNOC

PERTINENT DATA SHEET

| WELLNAME: Vaughn #1 | DP NUMBER: 48438B PROP. NUMBER: 012586401 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|-------------------------------------|---------------|---|---------------|--|---------------|--|-----------------|------------|---------|---------|------|---|--------|---------|--------|--------|-------|------|-------|---|--------|------------|--------|------------|------|------|-------|--|--|--|
| WELL TYPE: Basin Fruitland Coal | ELEVATION: GL: 6700' KB: 6712' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: 1650' FNL 990' FEL NE Sec. 26, T26N, R6W Rio Arriba County, New Mexico | INITIAL POTENTIAL: AOF N/A SICP: N/A PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNERSHIP: GWI: 100.0000% NRI: 68.2500% | DRILLING: SPUD DATE: 10-27-53 COMPLETED: 02-20-53 TOTAL DEPTH: 3052' PBTD: 2983' COTD: 2983' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING RECORD: <table style="width: 100%; margin-top: 10px;"> <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>12-1/4"</td> <td>10-3/4"</td> <td>40.5#</td> <td>J-55</td> <td>126'</td> <td>-</td> <td>100 sx</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2"</td> <td>14.0#</td> <td>J-55</td> <td>2990'</td> <td>-</td> <td>150 sx</td> <td>2224'(75%)</td> </tr> <tr> <td>Tubing</td> <td>2-3/8" EUE</td> <td>4.7#</td> <td>J-55</td> <td>2606'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 10px;">Baker Packer @ 2606', 1 jt 2-3/8", SN @ 2575', 83 jts 2-3/8", 4.7#, J-55, 8rd, EUE, tbg set @ 2606'</p> | | <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> | 12-1/4" | 10-3/4" | 40.5# | J-55 | 126' | - | 100 sx | surface | 7-7/8" | 5-1/2" | 14.0# | J-55 | 2990' | - | 150 sx | 2224'(75%) | Tubing | 2-3/8" EUE | 4.7# | J-55 | 2606' | | | |
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| 12-1/4" | 10-3/4" | 40.5# | J-55 | 126' | - | 100 sx | surface | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-7/8" | 5-1/2" | 14.0# | J-55 | 2990' | - | 150 sx | 2224'(75%) | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| FORMATION TOPS: <table style="width: 100%; margin-top: 10px;"> <tbody> <tr> <td style="width: 60%;">Nacimiento</td> <td style="text-align: right;">820'</td> </tr> <tr> <td>Ojo Alamo</td> <td style="text-align: right;">2350'</td> </tr> <tr> <td>Kirtland</td> <td style="text-align: right;">2546'</td> </tr> <tr> <td>Fruitland</td> <td style="text-align: right;">2724'</td> </tr> <tr> <td>Pictured Cliffs</td> <td style="text-align: right;">2990'</td> </tr> <tr> <td>Lewis</td> <td style="text-align: right;">3048'</td> </tr> </tbody> </table> | | Nacimiento | 820' | Ojo Alamo | 2350' | Kirtland | 2546' | Fruitland | 2724' | Pictured Cliffs | 2990' | Lewis | 3048' | | | | | | | | | | | | | | | | | | | | |
| Nacimiento | 820' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ojo Alamo | 2350' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirtland | 2546' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruitland | 2724' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictured Cliffs | 2990' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lewis | 3048' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOGGING: EL, CNL, Cased Hole CNL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORATIONS 2751' - 54', 2808' - 12', 2860' - 62', 2866' - 75', 2918' - 22', 2927' - 41', 2949' - 53', 2964' - 66', 2968' - 77', w/2 SPF, Total 102 holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STIMULATION: Frac w/580,000 SCF, N2, 70% foam and 81,200# 20/40 sand. Flushed to top perms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKOVER HISTORY: 9-25-92: ND WH. NU BOP. TOOH w/48 stands of tbg, LD bottom 12 jts. 5 jts scaled severely, w/holes in last jt. TIH w/csg scraper. TIH w/Baker pkr set @ 1500', PT csg to 500#. OK. Release pkr, TIH w/pkr to 2606', PT failed. Csg took fluid @ 1 BPM @ 500#. Packer set w/1500# tension, landed tbg @ 2606', SN @ 2575'. ND BOP, NU WH. 12-21-89 to 1-10-90: Recomplete Pictured Cliffs to Basin Fruitland Coal. TOH w/142 jts 1" line pipe. Set CIBP @ 2983'. Isolate csg leak @ 268'. Sqz DN csg w/50 sx "B" cmt. Had circ. up BH, no cmt returns. Sqz w/45 sx out. Drld sqz & circ. hole clean. PT-did not hold. Sqz leak @ 268' w/100 sx. Tagged cmt @ 208'. Drld cmt to 398'. Circ. hole clean. Perf'd. Frac. Landed tbg @ 2978', F Nipple 1 jt up @ 2946. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>Gas</u> | <u>Oil</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 Mcf/D | 0 bbl/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIPELINE: N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLUG & ABANDONMENT PROCEDURE

Vaughn #1
Basin Fruitland Coal
NE Section 26, T-26-N, R-6-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. Release Baker Packer and POH 2-3/8" tubing (84 jts @ 2606', SN @ 2575'), tally and visually inspect. PU and RIH with 5-1/2" casing scraper or gauge ring to PBTD at 2983' on 2" workstring. POH and LD.
4. **Plug #1 (Pictured Cliffs perfs, Fruitland perfs, Kirtland, and Ojo Alamo tops):** PU 5-1/2" cement retainer and set at 2724'; pressure test tubing to 1000#. Establish a rate into perforations with water. Mix and pump 116 sx Class B cement and squeeze 61 sx below cement retainer from 2983' to 2724', then spot 55 sx above retainer from 2724' to 2300'. POH above cement and spot water to 870'. POH with setting tool.
5. **Plug #2 (Nacimiento top):** Perforate 2 squeeze holes at 870'. PU 5-1/2" cement retainer and RIH; set at 820'. Establish rate into squeeze holes. Mix 34 sx Class B cement and squeeze 16 sx outside casing from 870' to 770' and leave 18 sx inside casing. POH above cement and spot water to 448'. POH and LD setting tool.
6. **Plug #3 (Surface Casing):** Mix 49 sx Class B cement and spot a balance plug from 448' to 83'. POH above cement and spot water to 50'.
7. **Plug #4 (Surface):** Perforate 2 holes at 50'. Establish circulation out bradenhead valve. Mix approximately 23 sx Class B cement and pump down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

Vaughn #1

Current

Basin Fruitland Coal

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

Today's Date: 11/10/94

Spud: 10/27/53

Recompleted: 1/10/90

(Calc @ 75%) 83'

12-1/4" hole

398'

Nacimiento @ 820'

Ojo Alamo @ 2350'

Kirtland @ 2546'

Fruitland @ 2724'

Pictured Cliffs @ 2990'

Lewis @ 3048'

10-3/4", 40.5#, J-55, Csg set @ 126'
Cmt w/100 sx (Circulated to Surface)

1990 Recompletion: Csg leak @ 268',
squeeze w/50 sx and then 100 sx

Top of Cmt @ 2224' (Calc @ 75% efficiency)

84 jts 2-3/8", 4.7#, 8rd, EUE, J-55, tbg @ 2606',
SN @ 2575'

Baker Packer @ 2606'

Perfs: 2751' - 2977', Total 102 holes

CIBP @ 2983'

5-1/2", 14.0#, J-55, Csg set @ 2990'
Cmt w/150 sx

OPEN HOLE: Stimulated w/140 qts
of nitro glycerine

PBTD 2983'

7-7/8" hole

TD 3052'

Vaughn #1

Proposed

Basin Fruitland Coal

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

Today's Date: 11/10/94

Spud: 10/27/53

Recompleted: 1/10/90

(Calc @ 75%) 83'

12-1/4" hole

50'

398'

448'

770'

870'

Nacimiento @ 820'

Ojo Alamo @ 2350'

2300'

Kirtland @ 2546'

Fruitland @ 2724'

Pictured Cliffs @ 2990'

Lewis @ 3048'

7-7/8" hole

PBTD 2983'

TD 3052'

Plug #4: 50' - Surface,
23 sx Class B Cement

Plug #3: 448' - 83',
49 sx Class B Cement

10-3/4", 40.5#, J-55, Csg set @ 126'
Cmt w/100 sx (Circulated to Surface)

1990 Recompletion: Csg leak @ 268',
squeeze w/50 sx and then 100 sx

Cement Retainer @ 820'

Plug #2: 870' - 770', 34 sx Class B Cement,
16 sx outside casing, 18 sx inside casing

Top of Cmt @ 2224' (Calc @ 75% efficiency)

Plug #1: 2983' - 2300', 116 sx Class B Cement,
61 sx below retainer, 55 sx above retainer

Cement Retainer @ 2724'

Perfs: 2751' - 2977', Total 102 holes

CIBP @ 2983'

5-1/2", 14.0#, J-55, Csg set @ 2990',
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OPEN HOLE: Stimulated w/140 qts
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