

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

PC Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

2410'FNL, 2250'FEL, Sec.31, T-27-N, R-7-W, NMPM

5. Lease Number

SF-080511

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Harrington #4R

9. API Well No.

30-039-06818

10. Field and Pool

So Blanco Pictured Cliff

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.

RECEIVED
MAR 13 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (ROS3) Title Regulatory Affairs Date 2/22/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

MAR 08 1995

DISTRICT MANAGER

NMOCID

PERTINENT DATA SHEET

WELLNAME: Harrington #4R	DP NUMBER: 48446A PROP. NUMBER: 012590300																																																																
WELL TYPE: Blanco Pictured Cliffs	ELEVATION: GL: 6046' DF: 6056'																																																																
LOCATION: 2410' FNL 2250' FEL NE Sec. 31, T27N. R7W Rio Arriba County, New Mexico	INITIAL POTENTIAL: AOF 1,360 MCF/D SICP: Aug., 1985 155 PSIG																																																																
OWNERSHIP: GWI: 100.000000% NRI: 85.000000%	DRILLING: SPUD DATE: 09-08-52 COMPLETED: 11-03-52 TOTAL DEPTH: 2310' PBTD: 2250' COTD: 2250'																																																																
CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <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>15"</td> <td>10-3/4"</td> <td></td> <td></td> <td>105'</td> <td>-</td> <td>110 sx</td> <td>surface (75%)</td> </tr> <tr> <td>8-3/4"</td> <td>7"</td> <td>20.0#</td> <td>J-55</td> <td>2194'</td> <td>-</td> <td>460 sx</td> <td>surface (75%)</td> </tr> <tr> <td>6-1/4" Open Hole</td> <td></td> <td></td> <td></td> <td>2194' - 2310'</td> <td>-</td> <td></td> <td>5313' (75%)</td> </tr> <tr> <td>Surface Csg Repair</td> <td>9-5/8"</td> <td></td> <td></td> <td>30'</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>Patch</td> <td>5-1/2"</td> <td>15.5#</td> <td>J-55</td> <td>320'</td> <td>-</td> <td>50 sx</td> <td>surface</td> </tr> <tr> <td>Tubing</td> <td>1"</td> <td>1.68#</td> <td>T&C</td> <td>2205'</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8" style="text-align: center;">Ran 105 jts 1", 1.68#, 10rd, T&C Line pipe set at 2205'</td> </tr> </tbody> </table>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	15"	10-3/4"			105'	-	110 sx	surface (75%)	8-3/4"	7"	20.0#	J-55	2194'	-	460 sx	surface (75%)	6-1/4" Open Hole				2194' - 2310'	-		5313' (75%)	Surface Csg Repair	9-5/8"			30'	-			Patch	5-1/2"	15.5#	J-55	320'	-	50 sx	surface	Tubing	1"	1.68#	T&C	2205'				Ran 105 jts 1", 1.68#, 10rd, T&C Line pipe set at 2205'							
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STIMULATION: Sand-Oil frac Pictured Cliffs from 2194' - 2250', w/8850 gal. oil and 16,000# sand. BP 1350#, Max. Pr. 1350#, IR 32.5 BPM. Flush w/3,750 gals.																																																																	
WORKOVER HISTORY: May 1955: Landslide parted 10-3/4" surface csg @ 31' and 7" csg @ 20'; fished out 1" tbg, left 6 jts on bottom; Ran 30' 9-5/8" for surface csg. CO to 2250'; Set BP @ 2142', found csg leak @ 1735'; sqz'd w/100 sx cmt. Ran 10 jts 5-1/2", 15.5#, csg to 320' into 7" csg, cmt w/50 sx (Circulated to Surface). Drig cmt and BP, lost bailer in open hole; top of fish @ 2204'; sand-oil frac open hole. Ran 105 jts 1" tbg, set @ 2205'.																																																																	
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Harrington #4R

Current

Blanco Pictured Cliffs

NE Section 31, T-27-N, R-7-W, Rio Arriba County, NM

Today's Date: 2/16/95

Spud: 9/8/52

Completed: 11/3/52

15" Hole

9-5/8" Csg set @ 30' (1955)

10-3/4" Csg set @ 105' (1952),
Cmt w/100 sx (Circulated to Surface)

5-1/2", 15.5#, J-55, Csg Patch @ 320' (1955)
Cmt w/50 sx (Circulated to Surface)

Nacimiento @ 325'

WORKOVER: May 1955
Landslide parted 10-3/4" surface csg @ 31' and 7" casing at 20'; fished out 1" tubing, left 6 jts on bottom; ran 30' 9-5/8" casing for surface; cleaned out to 2250'; set BP at 2142'; found casing leak at 1735'; squeezed with 100 sx cmt; ran 10 jts 5-1/2" 15.5# casing to 320' into 7" casing, cemented with 50 sx, circulated to surface. Drlg cement and BP, lost bailer in open hole; top of fish @ 2204'; sand oil fraced open hole; ran 105 jts 1" tubing @ 2205'.

Ojo Alamo @ 1386'

Kirtland @ 1537'

Casing Leak @ 1735', squeezed
w/100 sx cement

Fruitland @ 1872'

Ran 105 jts, 1", 1.68#, T&C, 10rd, line pipe set @ 2205'

Pictured Cliffs @ 2203'

8-3/4" Hole

7", 20.0#, J-55, Csg set @ 2194',
Cmt w/460 sx

COTD 2250'

PBTD 2302'

Pictured Cliffs Open Hole:
2194' - 2310'

TD 2310'

Harrington #4R

Proposed P&A

Blanco Pictured Cliffs

15 FEB 1995 10:20:00

010 1111 1111, 1111

NE Section 31, T-27-N, R-7-W, Rio Arriba County, NM

Today's Date: 2/16/95

Spud: 9/8/52

Completed: 11/3/52

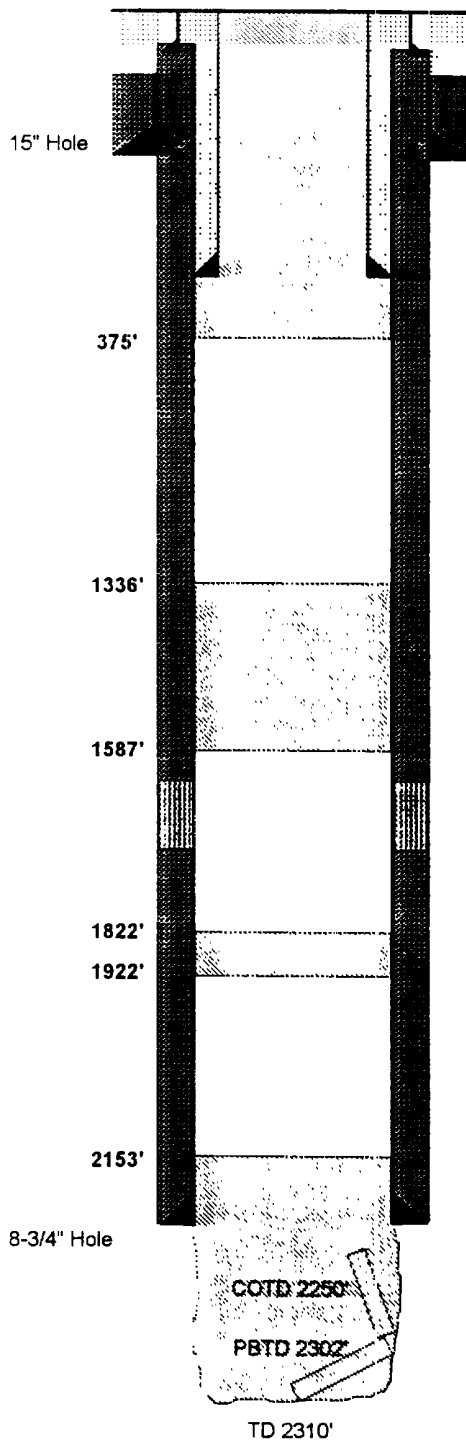
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Fruitland @ 1872'

Pictured Cliffs @ 2203'



9-5/8" Csg set @ 30' (1955)

10-3/4", Csg set @ 105' (1952),
Cmt w/110 sx (Circulated to Surface)

5-1/2", 15.5#, J-55, Csg Patch @ 320' (1955),
Cmt w/50 sx (Circulated to Surface)

Plug #4: 375' - Surface',
Cmt w/47 sx Class B cement

Plug #3: 1587' - 1336',
Cmt w/58 sx Class B cement

Casing Leak @ 1735', squeezed
w/100 sx cement

Plug #2: 1922' - 1822',
Cmt w/29 sx Class B cement

Plug #1: 2250' - 2153',
Cmt w/38 sx Class B cement

7", 20.0#, J-55, Csg set @ 2194',
Cmt w/460 sx

Pictured Cliffs Open Hole:
2194' - 2310'

PLUG & ABANDONMENT PROCEDURE

2-16-95

Harrington #4R
Blanco Pictured Cliffs
NE Section 31, T-27-N, R-7-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. POH and LD 1" tubing (105 jts @ 2205'). PU 2-3/8" tubing workstring.
4. **Plug #1 (Pictured Cliffs open hole and top, 2250' - 2153')**: RIH with open ended tubing to 2250' or as deep as possible. Pump 20 bbls water. Mix 38 sx Class B cement and spot a balanced plug from 2250' to 2153' over Pictured Cliffs open hole and top. POH to 1500' and WOC. RIH and tag cement. POH to 1922'. Load well with water and circulate clean. Pressure test casing to 500#.
5. **Plug #2 (Fruitland top, 1922' - 1822')**: Mix 29 sx Class B cement and spot a balanced plug inside casing from 1922' to 1822' over Fruitland top. POH to 1587'.
6. **Plug #3 (Kirtland and Ojo Alamo tops, 1587' - 1336')**: Mix 58 sx Class B cement and spot a balanced plug inside casing from 1587' to 1336' over Kirtland and Ojo Alamo tops. POH to 375'.
7. **Plug #4 (Nacimiento top and Surface casing, 375' - Surface)**: With tubing at 375' mix and pump approximately, 47 sx Class B cement from 375' to surface, circulate good cement out casing valve. POH and LD tubing. Shut in well and WOC.
8. Attempt to pump into 5-1/2" x 9-5/8" bradenhead, maximum pressure 300#. If able to pump into then squeeze with cement.
9. 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