

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

810' FNL, 895' FWL, Sec. 31, T-32-N, R-10-W, NMPM

5. Lease Number

SF-080313

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Harrison #1A

9. API Well No.

30-045-21797

10. Field and Pool

Blanco Pictured Cliffs/
Blanco Mesaverde

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

Attached is a revised procedure for the subject well. It is now intended to squeeze the Pictured Cliffs perforations as well as repair the bradenhead. Approval for the bradenhead repair was granted 4-13-95.

RECEIVED
JUN - 7 1995

OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LWD4) Title Regulatory Affairs Date 5/31/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date **APPROVED**

JUN 02 1995

[Signature]
DISTRICT MANAGER

WORKOVER PROCEDURE
SQUEEZE PICTURED CLIFFS PERFORATIONS AND BRADENHEAD REPAIR

HARRISON # 1A
Pictured Cliffs/Mesaverde Dual
NW/4 Sec. 31, T32N, R10W
San Juan Co., New Mexico
DPNO 27296 (MV); 27301 (PC)


1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 1% KCl water.
3. Blow down Pictured Cliffs tubing (91 jts, 1 1/4", 2.33 ppf, EUE), and Mesaverde tubing (150 jts, 1 1/2", 2.9 ppf, IJ and EUE) to atmospheric tank. Control well with 1% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine or WSI for inspection.
4. Pull and lay down Pictured Cliffs tubing. Unseat Mesaverde tubing from production packer (4 1/2" Baker Model F, bore ID = 2.39") at 3089', and strap out of hole. Visually inspect tubing, and replace joints that are in bad condition (Mesaverde string only). Note any buildup of scale and notify Operations Engineer. Lay down seal assembly.
5. PU Baker CJ milling tool, drill collars, and 2 3/8" workstring. Mill up packer slips and pull packer from wellbore.
6. PU 3 7/8" bit, casing scraper (4 1/2", 10.5 ppf) and CO to PBTD at 5338'. POOH.
7. PU 4 1/2" retrievable bridge plug and packer. Set RBP at 4700'. Set packer at 3100', and test RBP and 4 1/2" liner to 1000 psi. Dump one sack of sand on top of RBP.
8. PU 7" cement retainer and TIH. Establish rate into Pictured Cliffs perforations. Set retainer at 2900'. Test tubing to 1000 psi. Squeeze PC perforations with 50 sx class B cement. Displace cement to retainer. (Max squeeze pressure 1000 psi). Sting out of retainer and POOH.
9. RU wireline unit. Run CBL (with 1000 psi) to determine TOC behind 7" casing. Estimated TOC is 2320' from previous CBL (inconclusive results). (Contact Operations Engineer for design of cement slurry.) Perforate 4 squeeze holes 20' above TOC.
10. TIH with 7" fullbore packer. Set packer 150' above squeeze holes. Pressure up backside to 500 psig. Establish rate into perforations with bradenhead valve open. (If circulation is established out bradenhead valve, circulate hole clean).
11. Mix and pump cement with turbulent flow behind pipe. Close bradenhead valve and squeeze cement into perforations. (Max pressure 1000 psig.) Maintain squeeze pressure and WOC 12 hours (overnite). Release packer and POOH.

12. PU 6 1/8" bit and drill out bradenhead squeeze. Pressure test casing to 1000 psig. (Re-squeeze as necessary to hold pressure, or to stop bradenhead flow). TIH and drill out cement retainer at 2900', and CO cement to top of liner. POOH and PU 3 7/8" bit. TIH and drill out cement from 4 1/2" liner. Pressure test casing to 1000 psig. (Re-squeeze as necessary to hold pressure). POOH.
13. TIH with retrieving tool and retrieve RBP from 4 1/2" liner.
14. TIH with production tubing (1 1/2", 2.9# with expendable check on bottom and seating nipple one joint off bottom). Blow well clean to PBTD and gauge production. Land tubing at 5360'.
15. ND BOP's and NU wellhead with new single tubing hanger. Pump check from tubing. Obtain final gauges. Release rig.

Recommend:


Operations Engineer

Approve:


Drilling Superintendent

Contacts:

Cement
Operations Engineer

Halliburton
Larry Dillon

325-3575
326-9714

PERTINENT DATA SHEET

5/5/95

WELLNAME: Harrison #1A				DP NUMBER: 27296 (MV) 27301 (PC)																																		
WELL TYPE: Blanco Pictured Cliffs Blanco Mesaverde				ELEVATION: GL: 6170' KB: 6182'																																		
LOCATION: 810' FNL, 895' FWL Sec. 31, T32N, R10W San Juan County, New Mexico				INITIAL POTENTIAL: AOF 13,118 Mcf/d (MV) No Test (PC) SICP: 6/91 305 psig (MV) No Production (PC)																																		
OWNERSHIP: <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;"><u>MV</u></td> <td style="width: 10%; text-align: center;"><u>PC</u></td> <td style="width: 50%;"></td> </tr> <tr> <td>GWI:</td> <td>25.0000%</td> <td>25.0000%</td> <td></td> </tr> <tr> <td>NRI:</td> <td>23.0240%</td> <td>25.5000%</td> <td></td> </tr> <tr> <td>SJBT:</td> <td>75.0000%</td> <td>75.0000%</td> <td></td> </tr> </table>					<u>MV</u>	<u>PC</u>		GWI:	25.0000%	25.0000%		NRI:	23.0240%	25.5000%		SJBT:	75.0000%	75.0000%		DRILLING: <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"></td> <td style="width: 20%;"></td> <td style="width: 40%;"></td> </tr> <tr> <td>SPUD DATE:</td> <td></td> <td>08-16-75</td> </tr> <tr> <td>COMPLETED:</td> <td></td> <td>09-02-75</td> </tr> <tr> <td>TOTAL DEPTH:</td> <td></td> <td>5390'</td> </tr> <tr> <td>PBTD:</td> <td></td> <td>5338'</td> </tr> </table>							SPUD DATE:		08-16-75	COMPLETED:		09-02-75	TOTAL DEPTH:		5390'	PBTD:		5338'
	<u>MV</u>	<u>PC</u>																																				
GWI:	25.0000%	25.0000%																																				
NRI:	23.0240%	25.5000%																																				
SJBT:	75.0000%	75.0000%																																				
SPUD DATE:		08-16-75																																				
COMPLETED:		09-02-75																																				
TOTAL DEPTH:		5390'																																				
PBTD:		5338'																																				

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
13 3/4"	9 5/8"	32.3# & 33.74#	H40	318'	-	270 sx	Circ. Surface
8 3/4"	7"	23#	K55	3131'		300 sx	CBL 2320'
6 1/4"	4 1/2"	10.5#	K55	2991' -- 5380'	Liner Hanger @ 2991'	205 sx	Circ. 2991'
Tubing (MV)	1 1/2"	2.9#	J55	5245'	Baker Model F Packer @ 3089'		
Tubing (PC)	1 1/4"	2.3#	V55	2961'	Perf. jt.		

(MV) Baker expendable check, x-over, 70 jts. IJ tubing, x-over, Baker locator Seal Assembly, 2 jts. tubing, 4 blast jts., 80 jts. tubing, 2 tubing subs, 1 jts. tubing, x-over (total of 150 jts. 1 1/2, 2.9#, J55)
 (PC) perf. jt., seating nipple @ 2929', 91 jts 1 1/4"

FORMATION TOPS:

Ojo Alamo	1602'	Mancos
Kirtland		Gallup
Fruitland	2540'	Graneros
Pictured Cliffs	2968'	Dakota
Lewis		
Cliff House	4747'	
Point Lookout	5213'	

LOGGING: IES, Gamma Ray Neutron, Compensated Density, Bond

PERFORATIONS

(PC) 2998' -- 3024' w/2 spf
 (MV - A) 4800' -- 4877' w/1 spf
 (MV - B) 5265' -- 5269'; 5293' -- 5327'; 5355' -- 5361' w/1 spf
 4800' -- 4823'; 4827' -- 4833'; 4837' -- 4877' w/1 spf

STIMULATION:

(PC) 75,180 gal. water & 63,000# 20/40 sand
 (MV - A) 89,700 gal. water & 45,000# 20/40 sand & 25,000# 40/60 sand
 (MV - B) 66,700 gal. water & 30,000# 20/40 sand & 30,000# 10/20 sand

WORKOVER HISTORY:
 Sep-78 Pulled 1 1/2", 2.9#, EUE tubing. Set Baker Model F Packer @ 3089'. Perfed 6 holes from 2998' -- 3024' (would not break down). Spotted 100 gal. 15% HCL from 3035' (still no break). Perfed @ 2998' -- 3024' w/2 spf and spotted 500 gal. 28% HCL (Broke down). Fraced well w/ 75,180 gal. water & 63,000# 20/40 sand. Lost nose off expendable check valve and 1 1/2" check in hole - No recovery. Reran production string -- 1 1/2", 2.9#, J55, IJ & EUE and landed @ 5245' & 1 1/4", 2.3#, V55 and landed @ 2961'.

PRODUCTION HISTORY:	<u>Gas</u>	<u>Oil</u>	DATE OF LAST PRODUCTION:	<u>Gas</u>	<u>Oil</u>
Cumulative as of 1994:	1.2 Bcf	3.9 Mbo			
Current:	3.8 MMcf	0 Bbl	December, 1994	3.8 MMcf/m	0 Bbl
					(MV)
Cumulative as of 1994:	0 Mcf	0 Bbl			
Current:	0 Mcf	0 Bbl	PC Never Produced		(PC)
					(PC)

PIPELINE: SUG

Harrison #1A

CURRENT - 2-15-95

Mesaverde DPNO - 27296
Pictured Cliffs DPNO - 27301

810' FNL, 895' FWL,
Section 31, T-32-N, R-10-W, San Juan County, NM

Spud: 8-16-75

Completed : 9-2-75

