

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
1160' FSL, 1170' FWL, Sec.24, T-29-N, R-8-W, NMPM

5. Lease Number
SF-078416

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Hardie A #6

9. API Well No.
30-045-26442

10. Field and Pool
Blanco Pictured Cliffs

11. County and State
San Juan 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 type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - Restimulate	

13. Describe Proposed or Completed Operations

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

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

Signed [Signature] (LLL8) Title Regulatory Administrator Date 11/2/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date **APPROVED**

CONDITION OF APPROVAL, if any:

NOV 06 1995
DISTRICT MANAGER

NMOCO

Pertinent Data Sheet - Hardie A #6

Location: 1160' FSL, 1170' FWL, Unit M, Sec. 24, T-29-N, R-08-W
San Juan County, NM Lat. 36-42-25, Long. 107-37-56

Current Field: Blanco Pictured Cliffs

Spud: 6/28/85

Completed: 9/12/85

Elevation: 6363' GL
6375' KB

TD/PBTD: 3150'/3140'

SICP: 1068 PSI IP: 803 MCFD

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
12-1/4"	8-5/8"	24# K-55	143'	130 cu. ft./Surface
6-3/4"	2-7/8"	6.4# J-55	3150'	607 cu. ft./1300' (TS)

Tubing Record:

<u>Size</u>	<u>Weight/Grade</u>	<u>Depth Set/Jts.</u>
None		

Formation Tops:

Ojo Alamo	1980'
Kirtland	2170'
Fruitland	2725'
Pictured Cliffs	3014'

Logging Record: IGR, CNL, CDL, TS

Present Completions: Frac'ed with 48,000# sand and 57,326 gals.
Perfs: 3017' - 3082' (9 Perfs)

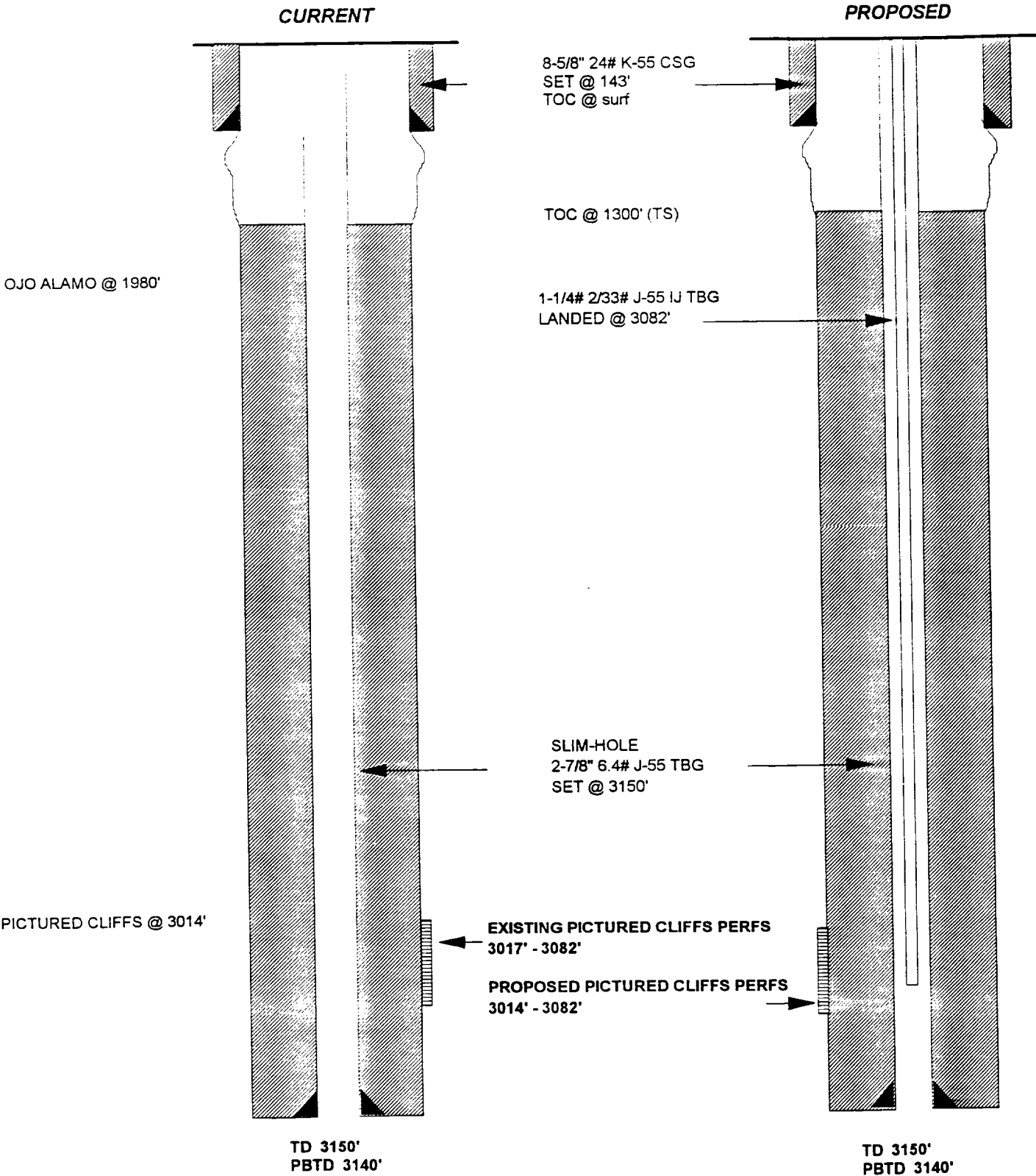
Workover History:

None

Hardie A #6

UNIT M, SEC 24, T-29-N, R-08-W, SAN JUAN COUNTY, NM

Lat 36-42-25 Long 107-37-56



Hardie A #6

Unit M, Section 24, T-29-N, R-8-W, San Juan County, New Mexico

Lat 36-42-25, Long 107-37-56

Inspect location and install and/or test rig anchors. Install 2 frac tanks filled with 2% KCl. Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down casing. If casing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. PU 2-1/4" bit and 2-7/8" 6.4# casing scraper on 1-1/4" Homco workstring. TIH to approx 3140'. TOOH.
4. TIH w/ 1-1/4" Homco workstring. Spot sand plug across perforated interval. Load hole and pressure test casing to 1000 psi. If pressure test holds, TOOH, ND BOP, remove master valve, and install 5000# 2-7/8" frac valve. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule.
5. RU electric line unit. Run GR-CBL-CCL from 3010' to 200' above TOC under 1000 psi surface pressure. Top of good cement must be above 2964' to continue. Evaluate CBL and send copy to production and drilling.
6. TIH w/ 1-1/4" Homco workstring and clean out to PBTD of 3140'. TOOH. Circulate sand out. Load hole and pressure test casing to 3000 psi for 15 min. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule.

Pictured Cliffs Re-Stimulation:

7. RIH w/ 2" RTG perforating gun loaded 2 spf w/ RTG-2125-402NT charges and perforate the following intervals:

3014' - 3021'

3026' - 3032'

3040' - 3044'

3048' - 3056'

(50 total holes)

Hardie A #6

Unit M, Section 24, T-29-N, R-8-W, San Juan County, New Mexico

Lat 36-42-25, Long 107-37-56

8. RD electric line unit. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 3000 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 75 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
9. RU electric line unit. RIH w/ 2-7/8" 6.4# gauge ring and knock balls off perforations. RD electric line unit.
10. RU stimulation company. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 3000 psi.** Fracture stimulate the Pictured Cliffs interval w/ 90,000# 20/40 sd and 70Q nitrogen foam at approximately 20 bpm according to the attached procedure (labeled *Pictured Cliffs*).
11. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When all pressure has bled off well, remove frac valve, install master valve and NU BOP.
12. TIH with 1-1/4" 2.33# J-55 IJ tbg with expendable check and seating nipple one joint off bottom and cleanout to 3140' with air and mist. Land tubing at approx 3082'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Pictured Cliffs.** Contact Production Operations for well tie-in. RDMO.

Approved: _____
Regional Team Leader

Approved: _____
Drilling Superintendent