

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
975' FNL, 840' FEL, Sec. 27, T-27-N, R-11-W, NMPM

5. Lease Number
SF-078092

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Douthit A Fed. Com. #6

9. API Well No.
30-045-24551

10. Field and Pool
West Kutz Pict. 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 checked="" 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 - Pay add	

13. Describe Proposed or Completed Operations

It is intended to open and stimulate additional pay in the Pictured Cliffs formation according to the attached procedure and wellbore diagram.

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

Signed Wally Shachul (PMP1) Title Regulatory Administrator Date 2/21/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

FEB 23 1996

DISTRICT MANAGER

NMOCD

DOUTHIT A FEDERAL COM #6 PC
Workover Procedure
A 27 27 11
San Juan County, N.M.
Lat-Long: 36.543533 - 107.861282

1. Comply to all NMOCD, BLM. & MOI rules & regulations. MOL and RU completion rig. NU 2-7/8" Bowen BOP w/flow tee and stripping head. NU blooie line & 2-7/8" relief line.
2. Lower tbg to check for fill. TOH w/1-1/4" tbg. Run 2-7/8" gauge ring to confirm collapsed csg from 778'-1389'. **Note:** The following procedure is written anticipating partially collapsed csg. If the csg is found to be gauge, this procedure will be revised.
3. Spot and fill 2-400 bbl. frac tanks w/1% KCL water. Filter all water to 25 microns. One tank is for gel & one tank for water. Usable water required for frac is 231 bbls.
4. Place sand over lower PC perms (2068'-2102') using 2" dump bailer, if possible, to 2060'. Pressure test to 2500 psi for 15 min.
5. Perf PC w/2 spf @ 2055', 53', 51', 49', 47', 37', 35', 33', 31', 29', 27', 25', 22', 20', 18'. Total 30 holes. Perf using 1-11/16" RTG 1687304, 3.2 gr charges which will make 0.21" diameter holes w/8.05" of penetration in concrete.
6. Tie into 2-7/8" csg to protect wellhead & fracture treat PC down csg w/32,000 gals. of 70 quality foam using 30# gel as the base fluid & 60,000# 20/40 Arizona sand. Pump at 20 BPM. Monitor bottomhole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 2500 psi & estimated treating pressure is 2000 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	7,000	2,100	—
1.0 ppg	5,000	1,500	5,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	5,000	1,500	15,000
4.0 ppg	5,000	1,500	20,000
Flush	(458)	(137)	0
Totals	32,000	9,600	60,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/the following additives per 1000 gallons:

- | | |
|----------------------|--|
| * 30# J-48 | (Guar Gel mix in full tank - 16,000 gal) |
| * 1.0 gal. Aqua Flow | (Non-ionic Surfactant mix in full tank) |
| * 1.0# GVV-3 | (Enzyme Breaker mix on fly) |
| * 1.0# B - 5 | (Breaker mix on fly) |
| * 3.0 gal Fracfoam I | (Foamer mix on fly) |
| * 0.38# FracCide 20 | (Bacteriacide mix on full tank) |

7. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
8. TIH w/notched collar on 1-1/4" IJ tbg & clean out to 2150' w/air/mist.
9. Monitor gas & water returns & take pitot gauges when possible.

- 10. When wellbore is sufficently clean, TOH & run after frac gamma-ray log from 2150'-1800'. Also check the area of csg collapse for RA material 778'-1389'.
- 11. TIH w/1-1/4" IJ tbg w/standard seating nipple one joint off bottom & again cleanout to 2150'. When wellbore is sufficiently clean, land tbg @ 2030' KB. Take final water & gas samples & rates.
- 12. ND BOP & NU wellhead & tree. Rig down & release rig.

Decker Walker Jr 8/20/95

Approve: *PJB*
Drilling Superintendent

VENDORS:

PMP	Wireline:	Basin	327-5244
	Fracturing:	Western	327-6222
	RA Tagging:	Pro-Technics	326-7133

Pertinent Data Sheet - DOUTHIT A FEDERAL COM #6 PC

Location: 975' FNL & 840' FEL, Unit A, Section 27, T27N, R11W, San Juan County, New Mexico

Field: West Kutz PC

Elevation: 6411' GL

TD: 2200'

PBSD: 2169

Completed: 11/5/80

Spud Date: 9/18/80

DP #: 17514A

Lease: Fed: SF 078092

GW: 50.00%

NRI: 43.25%

Prop#: 071183600

Initial Potential: Initial Potential = 296 MCF/D, SICP=96psi

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
9-7/8"	7"	23# K-55	113'	75 sx.	Circ Cmt
6-1/4"	2-7/8"	6.7 # J-55	2200'	200 sx.	Circ Cmt

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
1-1/4"	2.4# J-55	2096'	64 Jts

Formation Tops:

Ojo Alamo:	934'
Kirtland Shale:	1430'
Fruitland:	1756'
Pictured Cliffs:	2012'

Logging Record: Induction, Neuton Density

Stimulation: Perfed lower PC @ 2068'-74' w/2 0.34" spf, 2090'-2102' w/1 0.34" spf. Total 36 holes. Fraced lower PC w/44,000# sand in 70Q foam. Found bad csg 778'-1389' - had to run smaller perf gun.

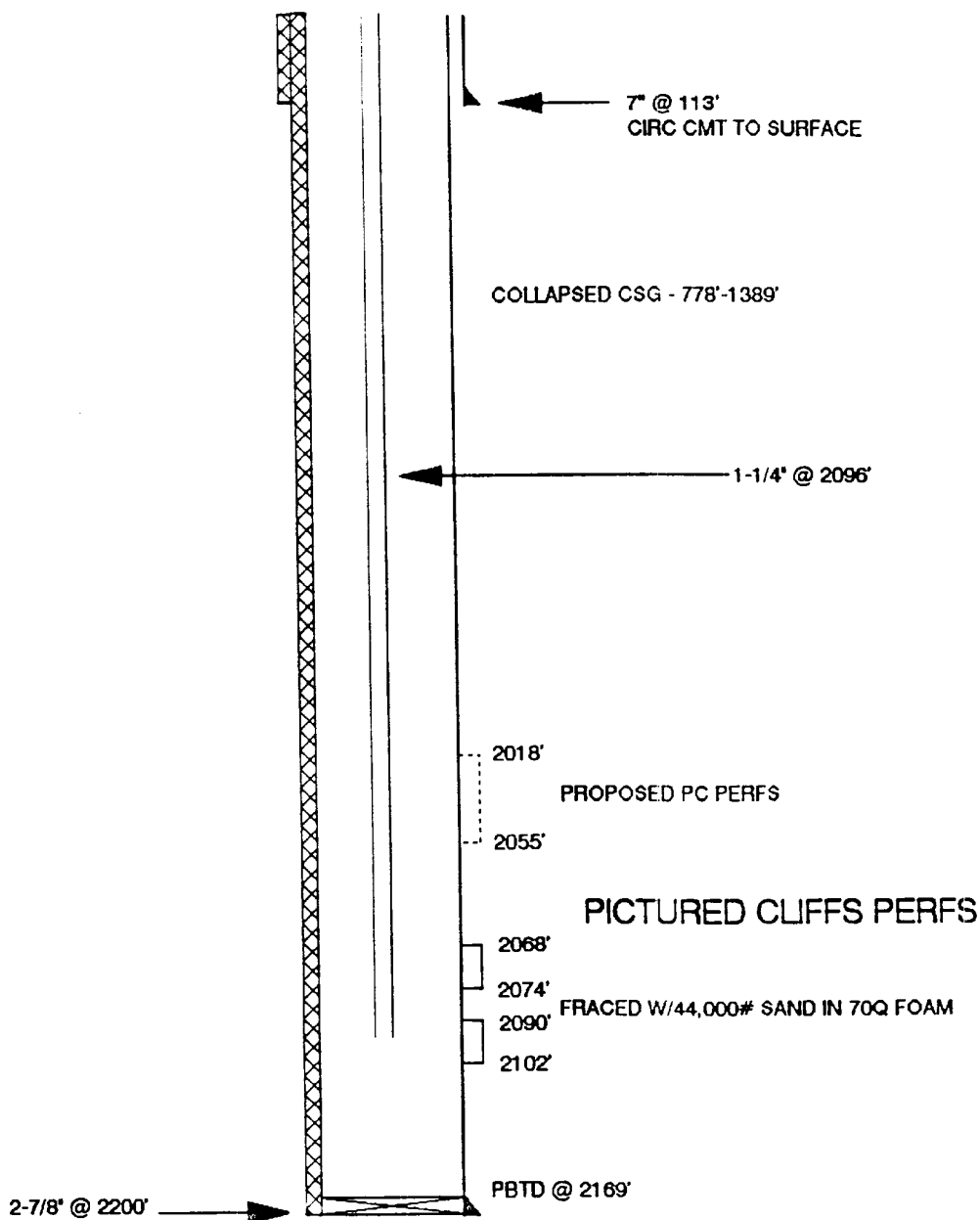
Workover History: NONE

Production history: PC 1st delivered 9/82. Current PC capacity is 0 MCF/D. PC cum is 529 MMCF.. 8/22/95: Tbg-67psi, Csg-120psi, Line-104psi, Bradenhead-open & dead. Well has not produced since 7/91.

Pipeline: EPNG

DOUTHIT A FEDERAL COM #6 PC

UNIT A SECTION 27 T27N R11W
SAN JUAN COUNTY, NEW MEXICO



DOU#17 A

A 27 27 41

2000

2100

← Caliper

GA

← CN

← EDC