

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
990'FSL, 1650'FEL, Sec.26, T-27-N, R-3-W, NMPM

5. Lease Number
Jic Contract 95
6. If Indian, All. or
Tribe Name
Jicarilla Apache
7. Unit Agreement Name

8. Well Name & Number
Jicarilla 95 #10
9. API Well No.
30-039-20170
10. Field and Pool
Gavilan Pictured Cliffs
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 - Pay add
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add the upper Pictured Cliffs to the existing Pictured Cliffs production according to the attached procedure and wellbore diagram.

RECEIVED
DEC - 7 1994
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (CAN9) Title Regulatory Affairs Date 11/11/94

(This space for Federal or State Office Use)

APPROVED BY (CHRG. COO.) DAVID A. SUTHER Title Chief, Lands and Mineral Resources Date DEC 6 1994

CONDITION OF APPROVAL, if any:

JICARILLA 95 #10

Unit O, Section 26, T27N, R03W
Recommended Recompletion Procedure
Pictured Cliffs Pay Add & Completion

Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Approximately 130 jts. 1-1/4" 2.4# J-55 drillpipe/ tubing will be required (MOI, District Tools) for cleanout and production. Comply with all BLM, NMOCD, Jicarilla Apache, and MOI rules and regulations. Notify engineering when work has commenced. Be Safe

*******All vendors/service companies on location will be responsible for protection of the environment, any questions call _____ at _____ - _____.*******

1. Install 1 X 400 bbl frac tank and fill with 350 bbls 2% KCl water.
2. Hold Safety Meeting. MIRU. Place fire and safety equipment in easily accessible locations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
3. Blow down tbg. If tbg will not blow down, kill with KCl water. ND WH, NU BOP. PBTD is 4075'.
4. TIH, check PBTD, obtain baseline flow guage if possible. TOOH with 4043' of 1-1/4" 2.40# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 3-1/2" 9.3# guage ring to 3925' and check pipe. PU 3-1/2" Retrievable bridge plug, TIH and set bridge plug at 3900'. Dump 2 sx sand on RBP. Run GR - CBL - CCL in 3-1/2 casing from bridge plug to Surface pipe (TOC is at +/-3925' by TS.). Pressure test casing to 2800 psi. for 15 min. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. Good TOC must be above 3765' to continue. Shoot two holes above existing TOC (if below 3765') and squeeze w/ 125 sx Class B w/ 2% CaCL2 and low temp. FLA. (1.18cuft/sk) Rerun and evaluate GR - CBL - CCL and send copy to prod. engineering.
6. TIH and retrieve bridge plug set at 3900' and set RBP at 4000' to allow restimulation of some of the existing PC perms.

Pictured Cliffs Stimulation:

7. Perforate the following intervals w/ 2 spf - 180° phasing:
3815' - 3990'. (28 Holes) Actual settings for Select-Fire will be picked prior to giving the logs to the Perforating Company.
8. RD wireline. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 4000 psi. **Maximum STP during acid job is 2800 psi.** Pump 850 gals 15% HCl w/additives (DAD) at a rate of 3-5 BPM. Record rates and pressures during treatment.
9. Fracture stimulate and tag the PC according to the attached procedure. Flow-back the well immediately using a variable choke manifold. Increase choke size as needed to keep the well from logging off, if possible.
10. TIH w/ retrieving head and 1-1/4 2.4# workstring and clean out to the retrievable bridge plug @ 4000' with air until sand and water production is minimal. Obtain flow gauge for the Pictured Cliffs formation. Record flow gauge as the Pictured Cliffs formation only. Latch onto the retrievable bridge plug and TOOH. RU wireline and run the after frac Tracer log. Evaluate for fracture top, bottom, and coverage. Send copy to Prod. Engr.

Jicarilla 95 #10
Pictured Cliffs Pay-Add

11. TIH w/ one joint 1-1/4 2.40# J-55 tubing, seating nipple, expendable check and 1-1/4" production tubing. Cleanout to 4075' with air. Land tubing @ +/-4025' (50' of rathole) and obtain final flow gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: _____
Drilling Superintendent

Suggested Contacts/Vendors:

Trucking/Water haul:	Dawn Trucking	327-6314
Wireline:	Blue Jet	325-5584
Radioactive Tag:	ProTechnics, Intl	326-7133
Tubing:	MOI, District Tools	326-9826
Stimulation:	Schlumberger, Dowell	325-5096
Packer and RBP:	Mountain States	326-5141
Rig Supervisor:	_____	_____
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

Pertinent Data Sheet - Jicarilla 95 #10

Location: 990' FSL, 1650' FEL, Unit O, Section 26, T-27-N, R-03-W; Rio Arriba County, NM
Lat. 36.539719, Long. 107.110031; GITI

Field: Blanco Mesaverde
Gavilan Pictured Cliffs

Elevation: 7322' GL

TD: 4125'
PBTD: 4075'

Spud Date: 11/04/68
Completed: 04/29/69

DP#: 29220A
Prop. #: 071337100
GWl: 100%
NRI: 87.5%

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
9"	7"	23# J-55	262'	75 sx	Surface
6-1/2"	3-1/2"	9.3# J-55	4125'	50 sx	3925' (Calc.)

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>
1-1/4"	2.40# H-40	4043'

Formation Tops:

Ojo Alamo (apprx.)	3490'
Kirtland-Fruitland (apprx.)	3700'
Pictured Cliffs	3953'

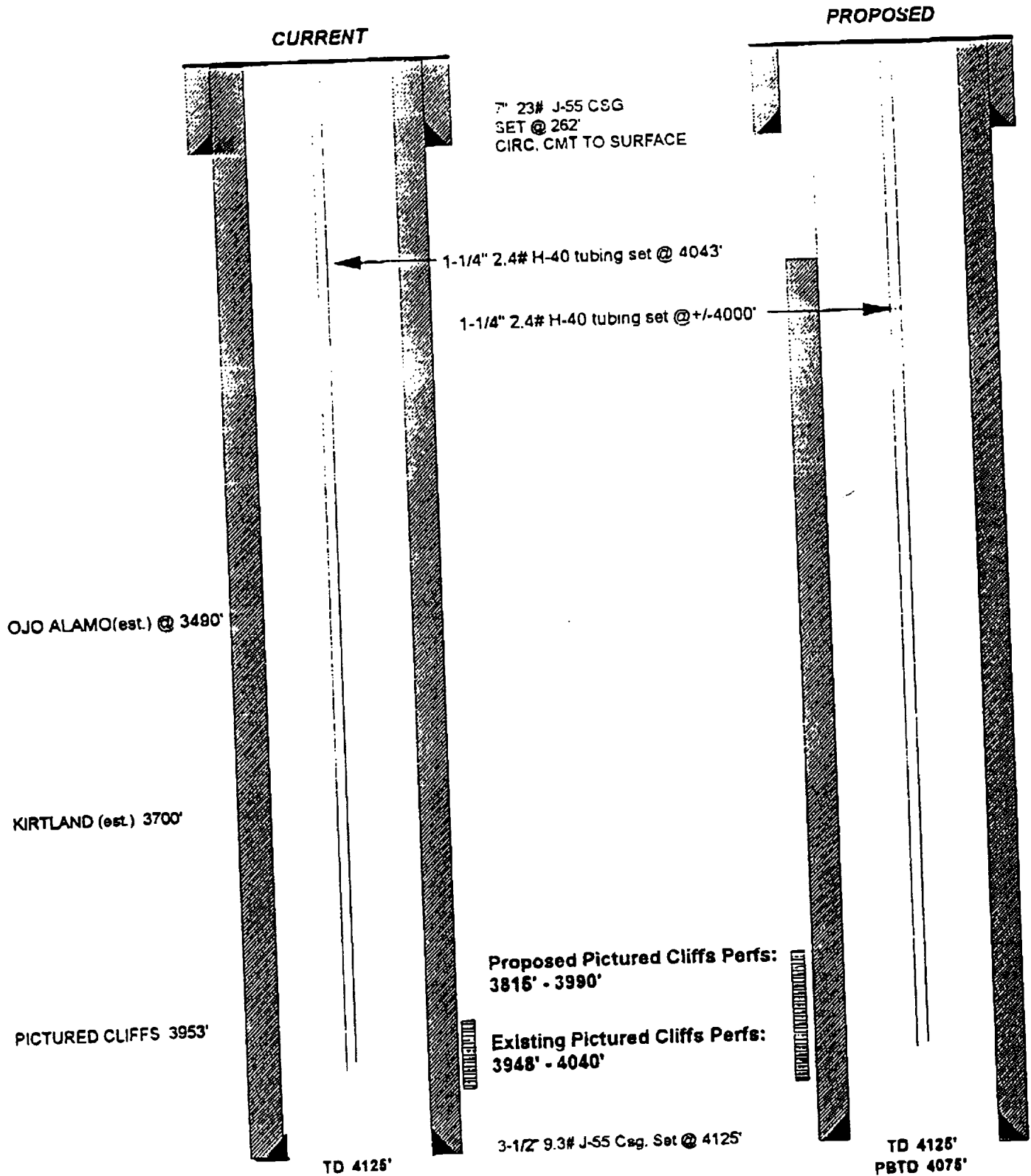
Logging Record: GR-Neutron

Stimulation: Perfed Pictured Cliffs: 3948' - 4040'
Fraced Pictured Cliffs: 35,000 lbs sand and 35,000 gallons gelled water.

Transporter: Gas - Williams Field Service
Oil - Gary Williams Energy

Jicarilla 95 #10

Unit O. Sec. 27. T27N. R03W
Lat. 36.539719 Long. 107.110031
Pictured Cliffs Pay Add and Stimulation



Nitrogen Foam Stimulation Procedure
Meridian Oil Inc.

General Information		Well Configuration		Formation and Stimulation Data	
Well Name:	Jicarilla 95 #10	Casing:	3-1/2" 9.3# J-55	Frac Gradient:	0.54 psi/ft
Location:	Unit O, Sec. 26, T-27-N, R-03-W	Capacity:	0.0091 bbl/ft	BH Temp:	100 F
Formation:	PC	TD:	4075 ft	Antic. BH Treating Pres:	2107 psi
Vendors		COTD:	4000 ft	Foam Quality:	75 %
Stimulation:	DS (325-5096)	Top Perf:	3815 ft	Nitrogen GLR:	2224 scf/bbl
Tagging:		Bot Perf:	3990 ft		
		Midpoint:	3903 ft	Percent Pad:	10 %
PadFluid: 75Q Foam, 2% KCl		Perforations		Net Pay:	52 ft
Sandladen: 75Q N2 Foam		2 spf	0.31 " holes	lb prop/net ft pay:	2,500 lb/ft
		28 holes	12.02 " penetration	Job Duration:	45.8 min

Stimulation Schedule

Tag	Stage	BH Sand Conc. ppg	Sand Mesh	Stage Sand lbs	BH Rate bpm	BH Foam Qual.	Stage Clean Foam bbls	Stage Clean Fluid bbls	Stage N2 mscf	Blender Sand Conc. ppg	Stage Slurry bbl	Fluid Rate bpm	Slurry Rate bpm	Nitrogen Rate scf/min	Stage Time min
Pad	0	N/A		0	23	75%	102	25	56	0.0	25	5.8	5.8	12,788	4.4
2	1	20/40		3,150	24	75%	75	19	42	4.0	22	5.7	6.8	12,767	3.3
3	2	20/40		5,880	25	75%	70	18	39	8.0	24	5.7	7.8	12,748	3.1
4	3	20/40		25,200	26	75%	200	50	111	12.0	77	5.7	8.8	12,730	8.7
5	4	20/40		95,760	27	75%	570	143	317	16.0	246	5.7	9.9	12,713	24.9
Flush	0	N/A		0	23	75%	33	8	18	0.0	8	5.8	5.8	12,788	1.4
									Total						
		lb/ft		Tot.	Ave.	Ave.	Total	Total	mscf	Ave.	Total	Ave.	Ave.	Ave.	Total
		2,500		129,990	24.7	75%	1,050	262	584	6.7	402	5.7	7.5	12,756	45.8

Volumes and Additives

Water Volume =	262	treat +	26	xcess	289	bbl (MOI)
Fluid Volume:	289 bbl potential treating volume					
20/40 Arizona Sand:	129,990 lbs					
Nitrogen Volume:	584 mscf (w/o cooldown)					
Fluid end: 2% KCl						
Foamer: 6 gallons/1000 gallons of water.						
Bactericide (5 #'s added to each tanks before filling with water).						

Radioactive Tagging

Pro-Technics (326-7133)
Tag all sand w/ Ir-192.

Equipment

Tanks: 0.8 x 400 bbl (supplied by MOI)
Filled w/ 289 bbls water.
Computer Van.
Foam Generator
SandChief
Blender.
Fluid Pumps as required w/ one full backup.
Nitrogen Pumps as required.

Comments and Special Instructions

MAXIMUM ALLOWABLE TREATING PRESSURE: 3000 psi

Hold safety meeting with everyone on location before pressure testing surface lines.
Pressure test surface lines to 5000 psi (2000 over max allowable but less than working pressure).
Flow back immediately thru variable choke manifold after obtaining ISDP.

Brian P. Ault 10/12/94