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

5. **Lease Number**
SF-080713

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 30-6 Unit

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
San Juan 30-6 U 40X

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**

4. **Location of Well, Footage, Sec., T, R, M**
990'FSL, 1010'FWL Sec.12, T-30-N, R-6-W, NMPM

10. **Field and Pool**
Blanco Mesa Verde

11. **County and State**
Rio Arriba Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	**Type of Action**	
_x_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injectio
	_x_ Other - pay add	

13. **Describe Proposed or Completed Operations**

It is intended to perforate and stimulate the upper Cliff House and Lewis intervals and add to the existing Mesa Verde format on per the attached procedure.

RECEIVED
FEB1 01994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
94 JAN 19 AM 8:05
070 FARMINGTON, NM

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

Signed _____ (REH) Title Regulatory Affairs Date 1/18/94

APPROVED
JAN 21 1994
DISTRICT MANAGER

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

NMOCD

Pertinent Data Sheet - San Juan 30-6 Unit #40X

Location: 990' FSL, 1010' FWL, Section 12, T-30-N R-6-W, Rio Arriba County, NM

Field: Blanco Mesaverde **Elevation:** 5587' GL **TD:** 5590'
PBTD: 5520'

Completion Date: 06/25/57 **DP Number:** 69762

Initial Potential: 6650 MCF/D

Casing Record:

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	Top/Cement
	10-3/4"	32.75# SW	207' KB	200 sx	Surface
	7-5/8"	26.4# J-55	3268' KB	250 sx	1830' (TS)
	5-1/2"	15.5# J-55	5573' KB	300 sx	3315' (TS)

5-1/2" Float collar @ 5539'

Tubing Record:

Tubing Size	Weight & Grade	Depth Set
2"	4.7# J-55 EUE	5515' (182 jts)

Formation Tops:

Ojo Alamo	2187'	Cliffhouse	5061'
Kirtland	2382'	Menefee	5165'
Fruitland	2799'	Pt. Lookout	5365'
Pictured Cliffs	3022'	Mancos	5564'
Lewis	3230'		

Logging Record: ES, ML, Temperature Survey

Stimulation: Perfed Menefee and Cliffhouse @ 5090'-5504' w/115,000 gal. water and 97,000# sand

Workover History:

Production History:

Initial Deliverability	4180 MCFD	0 BOPD
Latest Deliverability	36 MCFD	0 BOPD

Transporter: NWPL

San Juan 30-6 Unit #40X
SW/4 Section 12, T-30-N, R-06-W
Recommended Recompletion Procedure
Upper Cliffhouse/ Lewis Pay-Adds

Note: Notify BLM (326-6201) and NMOCD (327-5344) 24 hours before rig activity.

1. Shut in well for 7 day pressure build-up. Record wellhead pressures.

2. Inspect location. Test location rig anchors and repair if necessary. Install 1 X 400 bbl rig tank and fill with filtered (2 microns) 2% KCl water. Install 6 X 400 bbl frac tanks and fill with 2,322 bbls of usable 2% KCl water.

3. Hold safety meeting. MIRU. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM, and NMOCD rules and regulations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.

4. Blow down tubing. If tubing will not blow down, kill the well with the filtered KCl water.

5. TOOH with 5515' of 2-3/8", 4.7# 8rd tubing (182 jts). Visually inspect tubing and replace any bad joints.

6. TIH with 5-1/2", 15.5# casing scraper and the 2-3/8" tubing. Make scraper run down to 5050'. TOOH.

7. TIH with Baker Model G Retrievable Bridge Plug in tandem with 5-1/2" Left-Hand Set Baker Retrievamatic E-A Packer and workstring. Set retrievable bridge plug @ 5030', above the Cliff House perforations. Pull up 2 joints, set packer and pressure test bridge plug to 3000 psi for 15 minutes. Dump 2 sx of sand on top of retrievable bridge plug.

8. Release packer and pull up 4 joints and load the well with the filtered KCl water. TOOH to 60" RKB, set the packer and pressure test to 3000 psi for 15 minutes. TOOH. If pressure test fails, prepare to test and repair casing. Contact production engineering and a casing repair will be submitted.

9. RU wireline. Run GR-CBL-CCL from bridge plug to 4000' and a 50' section at the top of cement (TOC was originally located with a Temperature Survey at 3315'). Evaluate GR-CBL-CCL and send copy to production engineering.

<u>Upper Cliffhouse Stimulation:</u>

10. TIH with the workstring and spot 5 bbls of inhibited 7-1/2% HCl from 4755' to 4960'. TOOH

11. Perforate the Upper Cliffhouse interval from 4920' to 4960' with 3-3/8" with 4 SPF 120 deg phase 14 gram charges with minimum standoff.
NOTE: SHOOT INTERVAL IN ONE RUN.

12. RIH with a pressure gauge on the wireline to 4940'. Record the pressure build-up for 6 hours. TOOH, RD wireline.

13 RIH with a packer on 2 joints of 2-7/8" tubing and set below the wellhead. Pressure test the backside to 1000 psi to ensure the packer is set.

San Juan 30-6 Unit # 40X
Upper Cliffhouse/ Lewis Payadds

14. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture well according to procedure provided by production engineer.

15. Monitor the post frac pressure fall-off until any required information is obtained. Bleed off any remaining pressure by flowing the well back through a choke. TOOH with the packer.

Lewis Stimulation:

16. TIH with Baker Model G Retrievable Bridge Plug in tandem with 5-1/2" Left-Hand Set Baker Retrievamatic E-A Packer and workstring. Set retrievable bridge plug @ 4500', above the Upper Cliffhouse perforations. Pull up 2 joints, set packer and pressure test bridge plug to 3000 ps for 15 minutes. Dump 2 sx of sand on top of retrievable bridge plug.

17. Release packer, fill the hole with filtered KCl water. Spot 5 bbls of inhibited 7-1/2% HCl from 4240' to 4445'. TOOH

18. Perforate the Lewis interval from 4405' to 4445' with 3-3/8" with 4 SPF 120 deg phase 14 gram charges with minimum standoff.
NOTE: SHOOT THE INTERVAL IN ONE RUN.

19. RIH with a pressure gauge on the wireline to 4425'. Record the pressure build-up for 6 hours. TOOH, RD wireline.

20. RIH with a packer and 2 joints of 2-7/8" tubing and set below wellhead. Pressure test the backside to 1000 psi to ensure the packer is set.

21. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture well according to the procedure provided by production engineering. Shut in well for 6 hours upon completion of stimulation to allow gel to break.

22. Bleed off any remaining wellhead pressure by flowing the well through a choke. TOOH with the packer.

23. TIH with 2-3/8" tubing and retrieving head for the retrievable bridge plug above the Cliffhouse. Cleanout to bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis formation. Record pitot gauge as the Lewis formation only. Latch onto retrievable bridge plug and release bridge plug while pumping water down tubing-casing annulus if necessary. TOOH and lay down retrievable bridge plug.

24. TIH with 2-3/8" tubing and retrieving head for the retrievable bridge plug above Point Lookout Cleanout to bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis/ Upper Cliffhouse formations. Record pitot gauge as the Lewis/ Upper Cliffhouse formations. Latch onto retrievable bridge plug and release bridge plug while pumping water down tubing-casing annulus if necessary. TOOH and lay down retrievable bridge plug.

25. RU wireline. Run Tracer Survey top down from 4000' to 5200'. Send copy of logs to Production Engineering. RD wireline.

San Juan 30-6 Unit # 40X
Upper Cliffhouse/ Lewis Payadds

26. TIH with an expendable check valve, one joint of 2-3/8" tubing, seating nipple, and 2-3/8" production tubing. Cleanout to COTD (5520') with air (using 2 to 3 joints of extra 2-3/8" as needed). Pull up in well and land tubing around 5515'. Obtain final pitot gauge. ND BOP's, NU WH. RD and MOL.

27. Hook-up well and produce for 14 days. Then shut-in for 7 days. RU wireline with a pressure gauge. Obtain a gradient survey and bottom hole pressure at the end of the 7 day shut-in.

Approved: _____
Dean Lingo

for DBJ

Approved: _____
Jim Howieson

Vendors:

Wireline Services ..... Basin Perforating (327-5244)
Stimulation:..... BJ (327-6288)
Packers and Bridge Plugs: ..... Baker Service Tools (325-0216)

Production Engineer:

Robin E. Hesketh Home: ..... (327-9174)
Office: ..... (326-9808)