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**
NM-0607

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

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Atlantic C #1

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

9. **API Well No.**
30-045-10075

4. **Location of Well, Footage, Sec., T, R, M**
1650'FSL, 990'FWL, Sec.35, T-31-N, R-10-W, NMPM

10. **Field and Pool**
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	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 Injection
	_X_ Other - Menefee pay add	

13. **Describe Proposed or Completed Operations**

It is intended to add the by passed Menefee zone to the already producing Mesaverde pay according to the attached procedure and wellbore diagram.

RECEIVED
OCT 17 1994
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (JK5) Title Regulatory Affairs Date 10/13/94

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

APPROVED
OCT 18 1994
DISTRICT MANAGER

Atlantic C #1 - Mesaverde
Menefee Payadd
Lat-Long by GITI: 36.852295 - 107.857269
SW/4 Section 35, T31N-R10W
October 3, 1994

1. Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations. Install 6x400 bbl frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#'s of biocide and a total of 2253 bbls filtered (25 micron) 2% KCl water.

2. ND WH, NU BOP. TOOH with 2-3/8" 4.7# J-55 tubing set at 5698'. Replace bad tubing as needed.

3. Pick up 3-7/8" bit and 4-1/2" 10.5# casing scraper and TIH. Make scraper run to PBTD of 5767'. TOOH. Lay down casing scraper and bit.

4. TIH with tubing and 4-1/2" RBP. Set RBP @ 4700'. Load hole with fresh water. Pressure test the casing to 700 psi for 15 minutes. If casing fails, contact engineering for changes in procedure. Release RBP, TIH to 5310'. Set RBP @ 5310'. TOOH.

5. RU wireline with full lubricator. Hold safety meeting. Run CCL-GR correlation strip from PBTD to 4900'. Dump 10' of sand on top of RBP with dump bailer. Perforate the following intervals underbalanced at 0.3" diameter holes utilizing 3-1/8" HSC guns: (15 holes total)

5028	5198
5050	5206
5060	5212
5068	5220
5102	5248
5110	5256
5120	5266
5192	

Inspect guns to ensure all perforations fired.

6. PU 5000' of 2-7/8" (N-80 butress or turned down collars) fracsting. TIH with fracstring and 4-1/2" packer. Set packer @ 4990'. Balloff Menefee perforations with 1500 gallons of 15% HCl acid and 30 RCN balls. Maximum allowable treating pressure is 5000 psi. TOOH.

7. TIH with an "F" nipple on the bottom of a 5-1/2" X 2-7/8" frac liner and set across the Cliff House formation from 4730' to 4950' (total of 220'). Run the frac liner (two Baker hydraulically set packers) on 2-7/8" fracstring. Drop blanking plug and set packers. Attempt to load annulus through casing valves and pressure test tubing to 5000 psi. Retrieve blanking plug with slick line. SI well for 24 hours with an Amerada pressure bomb set @ 5147'. TOOH with pressure bomb. Have BHP information sent to engineering within 24 hours.

8. Install 5000# frac valve on top of the 2-7/8" fracstring.

9. RU Western. Hold safety meeting. Test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Fracture Menefee according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. RD frac company.

10. Remove frac valve. Release packers and TOH. Lay down packers.

11. SI well for 6 hours after stimulation then flow-back naturally as long as possible. When either flow has ceased or returns have reached a level allowing re-entry of wellbore, TIH with 2-7/8" fracsting with notched collar. CO to PBTD of 5310'. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary.

12. When returns have diminished (both sand and water), TOOH laying down 2-7/8" fracsting. PU 4-1/2" packer and TIH with 2-3/8" tubing. Set packer @ 4990'. Flow test the Menefee for 3 hours. Report the results to engineering before proceeding. Release packer and TOOH.

13. PU retrieving head and TIH. Clean out to PBTD. Release RBP @ 5310' and TOOH.

14. TIH with tubing and clean out to PBTD of 5767'. When water rates and sand production have diminished, TOOH.

15. TIH with one joint of 2-3/8" tubing w expendable check, an F-nipple, then the remaining 2-3/8" tubing. CO to COTD. Land tubing 5698'.

16. ND BOP's, NU WH. Obtain final pitot. RDMO. Return well to production.

Approval: _____
Drilling Superintendent

Vendors:
Stimulation - Western (327-6222)
Perforating - Blue Jet (325-5584)

Stimulation Procedure
Meridian Oil Inc.

General Information

Well Name:	Atlantic C #1
Location:	SW/4 Section 35, T31N-R10W
Formation:	Menefee
Vendors	
Stimulation:	Western (327-6222)
Tagging:	
Fluid:	30# Linear Gel
Note:	

Well Configuration

Casing:	2-7/8" 6.4# Tubing from 0 - 4990'		
Liner:			
Capacity:	0.0058 bbl/ft		
PBTD	5310 ft	Vol. to: (gals)	
Top Perf:	5028 ft	PBTD	1,291
Bot Perf:	5266 ft	Top Per:	1,223
Midpoint:	5147 ft	^-20' :	1,218
Perforations			
1 spf		0.3 " holes	
15 holes		12 " penetration	

Formation and Stimulation Data

Max Treating Pressure	5000 psi
Frac Gradient:	0.7 psi/ft
BH Temp:	150 deg. F
Antic. Treating Rate:	25 BPM
Antic. BH Treating Pres:	3,603 psi
Antic. Surf Treating Pres:	4,874 psi
Percent Pad:	10%
Net Pay:	95 ft
lb prop/net ft pay:	1,263 lb/ft
Job Duration:	91.0 min

Stimulation Schedule

		Sand Data				Fluid Data				Rate and Time Data			Comments
Tag	Stage	Sand Mesh	Sand Conc ppg	Stage Sand lbs	Cum Sand lbs	Stage Fluid gals	Cum Fluid gals	Stage Slurry gals	Cum Slurry gals	Slurry Rate bpm	Stage Time min	Cum Time min	
	Pad	N/A	0.0	0	0	8,889	8,889	8,889	8,889	25.0	8.5	8.5	
no	2	20/40	1.0	40,000	30,000	40,000	48,889	41,824	50,713	25.0	39.8	48.3	
no	3	20/40	2.0	80,000	110,000	40,000	88,889	43,648	94,361	25.0	41.6	89.9	
	Flush	N/A	0.0	0	110,000	1,218	90,107	1,218	95,579	25.0	1.2	91.0	
				Total	lb/ft	Total		Total		Ave.	Total		
				120,000	1,263	90,107		95,579		25.0	91.0		

Volumes and Additives

Water Volume=	90,107	treat +	4,505	excess =	94,612 gallons	(MOI)
Water Volume=	2,145	treat +	107	excess =	2,253 bbls	(MOI)

Fluid Volume: 2,253 bbl designed treating volume
20/40 Arizona Sand: 120,000 lbs

Fluid: 30# Linear Guar Gel designed for 3 hour break @ 145F
Filtered 2% KCl water (supplied by MOI)

Radioactive Tagging

None

Equipment

Tanks: 6 x 400 bbl frac tanks(supplied by MOI).
Filled w/ 2,253 useable bbls of filtered 2% KCl water

Mix on the fly equipment.
Mountain Mover.
Blender.
Fluid Pumps as required.

Comments and Special Instructions

MAXIMUM ALLOWABLE TREATING PRESSURE IS 5000 PSI.

Hold safety meeting with everyone on location before pressure testing surface lines.
Pressure test surface lines to 6000 psi (1000 over max allowable but less than working pressure).
Adjust flush rate and volume according to potential for well to be on vacuum

Production Engineer: Jay Knaebel

Stimulation Procedure
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SW/4 Sec. 35, T31N, R10W
San Juan County, NM