

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**N.M. OIL CONS. COMMISSION**  
**P.O. BOX 1980**  
**HOBBS, NEW MEXICO 88240**  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>NM 55953</b>
2. Name of Operator <b>MERIDIAN OIL INC.</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 51810, Midland, TX 79710-1810 915-688-6943</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>2180' FNL &amp; 660' FWL SEC. 8, T24S, R32E</b>	8. Well Name and No. <b>JACK TANK '8' # 2 FEDERAL</b>
	9. API Well No. <b>30-025-32192</b>
	10. Field and Pool, or exploratory Area <b>MESA VERDE DELAWARE</b>
	11. County or Parish, State <b>LEA NM</b>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <b>RECOMPLETE</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**MERIDIAN OIL INC. RESPECTFULLY REQUEST APPROVAL TO RECOMPLETE FROM THE BONE SPRING TO THE DELAWARE FORMATION. PLEASE SEE ATTACHED PROCEDURES.**

14. I hereby certify that the foregoing is true and correct  
Signed [Signature] Title **REGULATORY ASSISTANT** Date **2/27/95**

(This space for Federal or State office use)  
Approved by **(ORIG. SGD.) JOE G. LARA** Title **Petroleum Engineer** Date **3/21/95**  
Conditions of approval, if any

**Jack Tank 8 Fed #2  
Mesa Verde Field  
Lea County, New Mexico**

**Project Engineer: L. C. Painter**

**Office: 915/688-6823  
Residence: 915/520-0214**

**Recommended Recompletion Procedure**

**NOTE:** Contact Artesia Production office and request to hot water well  $\pm 2$  days prior to workover.

1. MIRU PU. POOH w/ pump and rods. ND WH. NU BOP.
2. Release TAC and POOH with 2 7/8" 6.5# tubing and TAC.
3. MIRU wireline unit. NU packoff head. RIH with CIBP for 9 5/8" 53.5# casing. Set CIBP at  $\pm 9,500'$ . POOH. Pressure test CIBP to 1,000 psi. RIH with GR/CCL tool and log from 7,400' to 7,100'. POOH. Correlate log with Halliburton ND log dated 10/06/93.
4. RIH with 4" casing guns and perforate the following interval 4 JSPF, 120° spiral phasing.

<u>Interval</u>	<u># Shots</u>
7,280'-7,298'	72

POOH. RDMO wireline company. ND packoff head.

5. RIH with treating packer for 9 5/8" 53.5# casing on  $\pm 234$  jts 2 7/8", 6.5# tubing to  $\pm 7,350'$ . Set packer. NU stimulation valve. Test tubing and CIBP to 4250 psi. Release packer. Pump 250 gal 7 1/2% HCL pickle acid and displace to bottom of tubing with 2% KCL water. Reverse pickle acid out of tubing. PUH and set packer at  $\pm 7,200'$ .
6. MIRU Stimulation Company. Test surface lines to 5000#. Load and monitor 2 7/8" x 9 5/8" annulus. Pump 1000 gal. of 7 1/2% NEFe HCL Acid. Space out 100 7/8" (1.3 SP. GR.) RCNBS throughout job. Displace acid with 2% KCL water. Record ISIP, and 5, 10, and 15 minute SIP's

Anticipated Treating Rate	=	5 - 6 BPM
Anticipated Treating Press	=	2,900 psi
Maximum Treating Press	=	4,250 psi

7. ND stimulation valve. Swab back acid load. Release packer and RIH past bottom perf to knock off RCNBS. PUH with packer and reset at  $\pm 7,200'$ .
8. Continue swabbing until rates stabilize. Report fluid volumes and levels to Midland Office for decision to continue.
9. RU stimulation company. Test surface lines to 5,000 psi. Fracture treat the "LR" sand down tubing with 12,000 gal 25# GEL, 17,200 lbs 16/30 Northern White sand, and 12,800 lbs 16/30 Super LC R.C. sand as follows:

Jack Tank 8 Fed #2  
 "LR" Sand Recompletion

Stage	Stage Vol. (Gals)	Fluid Type	Proppant Conc. ppg/Type
PrePad	3000	25# Base Gel	0
Pad	3200	25# Base Gel	0
2	1300	Viking ID-25	2 (N.W.)
4	1400	Viking ID-25	4 (N.W.)
6	1500	Viking ID-25	6 (N.W.)
8	1600	Viking ID-25	8 (super LC)
Flush	2000	25# Base Gel	0

Anticipated Treating Rate = 8 BPM  
 Anticipated Treating Pressure = 2,200 psi  
 Maximum Pressure = 4,250 psi

10. SI well and record ISIP, 5, 10, and 15 min SIP's. RDMO stimulation company. Leave well shut-in overnight.
11. Flow back to recover load. ND stimulation valve.
12. Swab back remaining frac load. Continue swab testing well. If well kicks off flowing turn over to production, if well does not flow go to step #13.
13. Release packer and POOH with tubing and packer. RIH with production tubing as follows:

- 1 jt 31' x 2 7/8" MA (open ended)
- 1 4' x 2 7/8" Perf'd Sub
- 1 SN (2.25" ID)
- 7 jts. 2 7/8", 6.5#, N-80 8RD EUE Tubing
- 1 2 7/8" x 9 5/8" TAC
- ±224 jts 2 7/8", 6.5#, N-80 8RD EUE Tubing

Set SN at ±7,250'.

14. ND BOP. NU WH. RIH with rods and pump as follows:

- 2 1/2" x 1 1/2" x 27' RHBC (HVR) Pump
- 1 1" Rod
- 26K Shear Tool
- ± 20 1" Rods
- ± 162 3/4" Rods
- ± 100 7/8" Rods
- ± 6 1" Rods
- Pony rods as needed

Space out pump. Hang well on.

15. RDMO pulling unit. Turn well over to production. Put on test and report rates and pressures through computer system for 21 days.

Approved: \_\_\_\_\_

H. A. Lee

Date: \_\_\_\_\_

2/9/95

**RECEIVED**

FEB 23 1995

COMMUNICATIONS  
OFFICE

# MERIDIAN OIL

**FIELD:** Wildcat (Bone Spring) Prospect      **DATE SPUD:** 09/10/93      **COMP:** 2/2/94  
**LEASE:** JACK TANK 8 FEDERAL      **WELL NO.** 2      **ELEVATION:** 3,594' G.L. / 3,822' K.B.  
**LOCATION:** 2,180' FNL & 660' FWL; SEC. 8, T24S, R32E; LEA COUNTY, NEW MEXICO

9 5/8" CASING DETAIL:	
9 5/8" 47# P-110	0'-4,331'
9 5/8" 47# S-95	4,331'-7,602'
DV TOOL	
9 5/8" 47# S-95	7,602'-7,604'
9 5/8" 47# S-95	7,604'-9,396'
9 5/8" 53.5# P-110	9,396'-12,107'

**BONE SPRING PERFORATIONS:**

9,652'-9,702'  
 9,714'-9,730'  
 9,738'-9,760'  
 9,764'-9,780'  
 9,802'-9,812'

25 sx CMT CAP  
 CIBP @ 11,740'

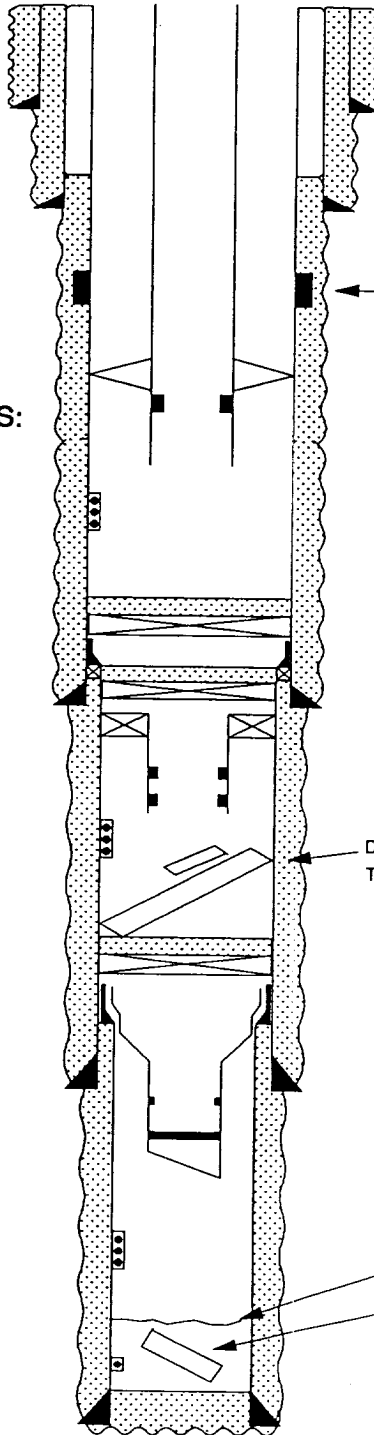
10 sx CMT CAP  
 CIBP @ 13,950'

**ATOKA PERFORATIONS:**  
 14,028'-14,031' & 14,036'-54'

32' CMT ON CIBP  
 CIBP @ 14,625'

PLUG IN BOTTOM "F" NIPPLE

**MORROW "A" PERFORATIONS:**  
 15,206'-218'; 15,222'-225'  
 15,229'-241'; 15,268'-276'  
 15,383'-385'



20", 94# @ 597'  
 K-55, BTC & STC  
 CEMENT W/ 032 sx  
 TOC: SURFACE (CIRC 200 sx)

13 3/8", 61 & 68# @ 4,504'  
 S-80, BTC & STC  
 CEMENT W/ 4,500 sx  
 TOC: SURFACE (CIRC)

9 5/8" DV TOOL @ 7,602'

**TUBING DETAIL:**

304 jts 2 7/8" 6.5# EUE N-80  
 1 - TAC (FOR 9 5/8" 53.5# CSG)  
 15 jts 2 7/8" 6.5# EUE N-80  
 1 - SN (2.25" ID) @ 9,986'  
 1 - 2 7/8" X 4" PERF'D SUB  
 1 jt OPEN ENDED MA

9 5/8", 47 & 53.5# @ 12,106'  
 S-95 & P-110, LTC  
 CEMENT 1st Stage W/ 1,725 sx  
 CEMENT 2nd Stage W/ 1,900 sx  
 TOC: 4,500' (4,500' via TS)

DROPPED VAN GUNS & TUBING FISH  
 TOP OF FISH @ 14,208'

7", 32# @ 11,768' - 14,954'  
 GR-125, SLX  
 CEMENT W/ 820 sx  
 SQUEEZE TOL 3x - 450 sx  
 "TIW" SN-AT LINER PACKER

TOP OF FILL @ 15,279'

FISH

4 1/2", 13.5# @ 14,668' - 15,452'  
 P-110, SLX  
 CEMENT W/ 200 sx  
 TOC: XX,XXX' (via VSI)

**EXISTING CONFIGURATION**

TD: 15,452'  
 PBTD: 11,673'

# MERIDIAN OIL

FIELD: Wildcat (Bone Spring) Prospect DATE SPUD: 09/10/93 COMP: 2/2/94  
 LEASE: JACK TANK & FEDERAL WELL NO. 2 ELEVATION: 3,594' G.L. / 3,622' K.B.  
 LOCATION: 2,180' FNL & 660' FWL; SEC. 8, T24S, R32E; LEA COUNTY, NEW MEXICO

