N.M. OIL CONS COMMISSION
1 ver DD
Artesia, NM 88210

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
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**

5. Lease Designation and Serial No.: NM 19612
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Meridian Oil Inc.
3. Address and Telephone No.: P.O. Box 51810, Midland, TX 79710-1810 915-688-6943
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): Sec. 29, T26S, R30E
1650' FNL & 1980' FWL
Unit F
8. Well Name and No.: Federal 'BF' # 1 Com.
9. API Well No.: 30-015-24148
10. Field and Pool, or exploratory Area: Wildcat Wolfcamp
11. County or Parish, State: Eddy NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [X] Notice of Intent | [ ] Abandonment | [ ] Change of Plans |
| [ ] Subsequent Report | [X] Recompletion | [ ] New Construction |
| [ ] Final Abandonment Notice | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-Off |
| | [ ] Altering Casing | [ ] Conversion to Injection |
| | [ ] Other _____ | [ ] 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.)*

Please see attached procedure for the recompletion. This recompletion will be from the Wolfcamp to the Bone Spring.

RECEIVED
SEP 26 1995
OIL CON. DIV.
DIST. 2

14. I hereby certify that the foregoing is true and correct
Signed _____ Title Regulatory Compliance Date 9/6/95

(This space for Federal or State office use)
Approved by (ORIG. SGD.) JOE G. LARA Title PETROLEUM ENGINEER Date 9/22/95
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

# Federal BF Com #1
# Wildcat
# Eddy County, New Mexico

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

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

## Recommended Recompletion Procedure

*Notes*: Flow well for at least two days prior to rigging up.
Stabbing Guides, "YT" elevators and torque gauges are to be used on every trip of premium threaded tools.
Have kill fluid and pump ready in case high pressure is encountered.

1. Deliver to location 10,500' 3 1/2" 9.3# N-80 rental workstring. Deliver to location previously inspected 4,100' 2 7/8" 6.5# N-80 tubing.

2. Install anchors. MIRU PU. Kill well with 2% KCL water as necessary. MIRU nipple up crew. ND tubing head (10,000#) and send to ERC for nitrogen pressure testing and repair if necessary. NU BOP (11" hydraulic unit, 10M psi working pressure with pipe rams to accomodate 2 7/8" tubing and 3 1/2" tubing and blind rams). Test BOP to 10,000 psi.

3. Make sure annulus is loaded. Release seal receptacle overshot and POOH, laying down, with 2 7/8" tubing and seal receptacle overshot. MIRU reverse unit and power swivel. PU and RIH with Bowen spear (grapple pinned in set position), spear extension, 8 1/8" OD "M" J-tool, 8 5/8" x 6 1/2" Kutrite shoe, 1 jt 8 1/8" washpipe, top sub, double pin sub, 2- 5 1/2" OD boot baskets, bit sub, jar, 10- 4 3/4" DC's, and crossover on 3 1/2" workstring. Latch into pkr bore. Pull on spear to set grapple and to shear set pin. Disconnect J-tool. Cut top of packer and POOH with packer and tailpipe. RD reverse unit and power swivel.

4. MIRU wireline unit. NU 10,000# lubricator. RIH with guage ring and junk basket for 7" 34.5# liner to 11,700'. POOH. RIH with CIBP for 7" 34.5# liner to ±11,650' and set CIBP. POOH. RIH with dump bailer and dump 7 sx Class "H" cement on top of CIBP (roughly 40' plug). POOH. RIH with CIBP for 9 5/8" 53.5# casing to ±10,220' and set CIBP. POOH. RIH with dump bailer and dump 3 sx Class "H" cement on top of CIBP (roughly 10' plug). POOH. Pressure up on casing to 3,000# to test CIBP and casing.

5. With 1,000# on casing, RIH with GR/CCL/CBL tools to log the following intervals: 10,350'-9,950', 8,200'-7,800', 6,450'-6,050', 5,600'-5,200', 3,550'-3,150'. While logging pressure up on the casing incrementally until log results stabilize. Correlate to Schlumberger ND log run 7/12/82. POOH. ND lubricator. RD wireline unit.

6. PU and RIH with Baker retrieva-D packer, mdl E-22 anchor tubing seal assembly, 2 7/8" x 3 1/2" cross-over, mdl EL-2 tubing seal receptacle, and 3 1/2" x 2 7/8" cross-over on 3 1/2" workstring to 10,100'. Install 3 1/2" TIW valve on tubing. Pump 500 gal 7 1/2% HCl pickle acid to bottom of tubing. Reverse pickle acid out of tubing with 2% KCL water. Set packer at 10,100' with 30 pts slackoff. Load tubing and annulus with 2% KCL water.

7. RU wireline unit. NU 10,000# lubricator. Test lubricator to 5,000#. RIH with 2 1/8" decentralized expendable strip guns and perforate the interval 10,152'-10,170' with 4 JSPF 0° phasing. POOH. RDMO wireline unit and lubricator.
   Note: The perforations may be underbalanced by as much as 2,000 psi.

8. MIRU stimulation company. NU stimulation valve Test surface lines to 10,000#. Place 2,500 psi on annulus, monitor and maintain during job. Stimulate perforations 10,152'-10,170' with 1,500 gal 7 1/2% NEFe HCL. Space out 125 (7/8", 1.3 SG) RCNBS throughout job.

| | |
|---|---|
| Treating Rate = | 5 BPM |
| Treating Pressure = | 4,575 psi |
| Max. Treating Pressure = | 8,500 psi |

Flush to top perforation with 2% KCL water. Record ISIP, 5, 10, and 15 minute SIP's. RD stimulation company.

9. Flow/swab test well recording rates and pressures. **Report results to Midland Office for decision to frac, squeeze, or place on production.** If decision is to place on production, go to step #12. If decision is to cement squeeze, a procedure will be provided.

**IF DECISION IS TO FRAC:**

10. RU stimulation company. NU stimulation valve. Test surface lines to 10,000#. Load and monitor 3 1/2" x 9 5/8" annulus with 2,500# imposed pressure. Fracture treat the 3rd Bone Spring Sand, down 3 1/2" workstring, with 41,000 gal. Medallion 3000 XL Gel and 100,000 lbs 20/40 Opti-Prop as follows:

| Stage | Gel Volume, gal. | Fluid Type | Prop. Conc., ppg |
|---|---|---|---|
| Pad | 16500 | Medallion 3000 | 0 |
| 1 | 1500 | VIK ID-30 | 1 |
| 2 | 3500 | VIK ID-30 | 2 |
| 3 | 3500 | VIK ID-30 | 3 |
| 4 | 5000 | VIK ID-30 | 4 |
| 5 | 5000 | VIK ID-30 | 5 |
| 6 | 6000 | VIK ID-30 | 6 |
| Flush | 4000 | 30# Linear | 0 |

| | | |
|---|---|---|
| Anticipated Treating Rate | = | 25 BPM |
| Anticipated Treating Press | = | 5,500 psi |
| Maximum Treating Press | = | 8,500 psi |

Record ISIP, 5, 10, & 15 min shut-ins. Leave well shut-in overnight. RDMO stimulation company.

11. Note SITP and estimate BHP. ND stimulation valve.

12. RU slickline unit. NU lubricator. RIH with plug for 2.31" F profile on wireline and set in tubing seal receptacle. POOH. ND lubricator. RD wireline unit.

13. Release tubing seal receptacle overshot. POOH, laying down, with 3 1/2" workstring. RIH, hydrotesting to 6,000#, with model EL-2 tubing seal receptacle overshot, 198 jts 2 7/8" N-80 ABC 8 RD, cross-over, 123 jts 2 7/8" N-80 EUE 8 RD, and pup-subs as needed to space out tubing. Use double pin pup joint below space-out pups so pin is looking up for the wellhead (top joint should be a full joint). Before latching onto seal receptacle, displace annulus with 671 bbls packer fluid (as specified on fluids descriptions sheet. Latch onto seal receptacle. Slackoff 15,000#. ND BOP. NU WH. Pressure up on tubing to 6,500# to test wellhead and tubing.

**NOTE: Make sure 2 7/8" tubing is clean and free of scale before RIH. Trash on top of plug may prevent its removal.**

14. RU slickline unit. NU lubricator. RIH with wireline, make sure pressure is balanced across plug, and retreive 2.31" F plug from tubing seal receptacle. POOH. RDMO wireline unit.

15. Swab, if neeeded, to recover frac load. Continue swabbing recording volumes, cuts, and pressures to kick well off flowing. Report all swab and/or flowing volumes and cuts to Midland office. **If well flows**, turn over to production. Report volumes and pressures on computer system for 3 weeks.

16. **If well will not flow,** ND WH NU BOP. Release tubing seal receptacle overshot and POOH with tubing and overshot laying down overshot. RIH with packer retrieving tool. Release packer and POOH with tubing and packer.

17. RIH with production tubing string as follows setting SN at ±10,125':

| | |
|---|---|
| 1 | Open ended MA (31') |
| 1 | Perfed Sub (4') |
| 1 | SN (2.25" I.D.) |
| 10 | Jts. 2 $^{7}/_{8}$" 6.5# N-80 ABC 8 RD Tubing |
| 1 | 2 7/8" x 9 5/8" TAC |
| 190 | Jts. 2 $^{7}/_{8}$" 6.5# N-80 ABC 8 RD Tubing |
| ±123 | Jts. 2 $^{7}/_{8}$" 6.5# N-80 EUE 8 RD Tubing |
| | Pup subs as needed. |

18. ND BOP. NU wellhead. RIH with rods and pump. Rod and pump design will be provided. Space out pump. Hang well on.

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

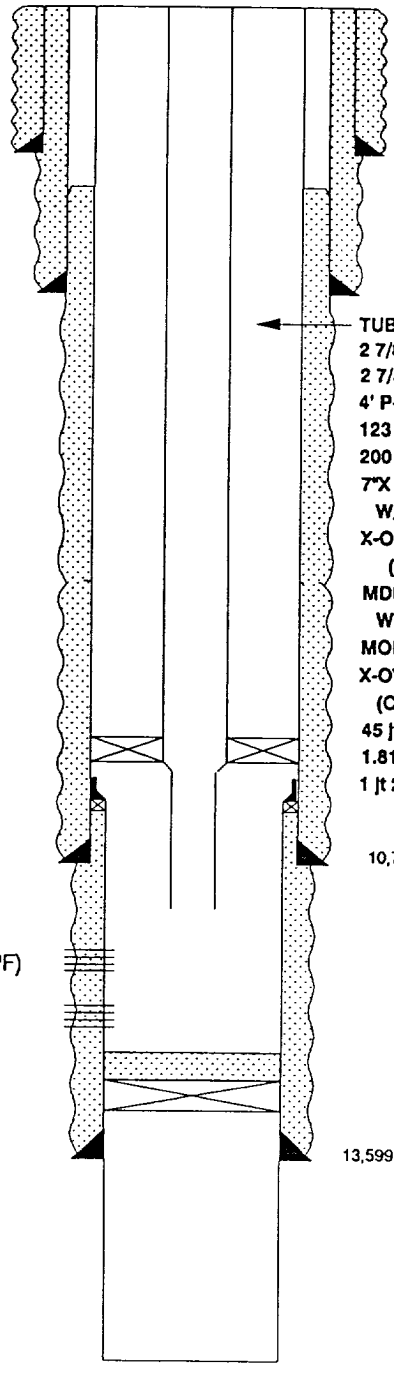
Approved: _____ Date: _____
H. A. Lee

# MERIDIAN OIL

**FIELD:** Wildcat **DATE SPUD:** 05/28/82 **COMP:** 06/05/83

**LEASE:** FEDERAL BF COM **WELL NO.** 1 **ELEVATION:** 2,960' G.L. / 2,985' K.B.

**LOCATION:** 1,650' FNL & 1,980' FWL; SEC. 29, T26S, R30E; EDDY COUNTY, NEW MEXICO



20", 94# @ 393'
J-55, STC
CEMENT W/ 900 sx
TOC: SURF (CIRC)

393'

13 3/8", 61 & 54.5# @ 3,260'
J-55 & K-55, STC
CEMENT W/ 3,150 sx
TOC: SURF (CIRC)

3,260'

TUBING STRING:
2 7/8" P-105 CS HYDRIL PIN X 2 7/8" EUE 8 RND PIN
2 7/8" EUE 8 RND N-80 LANDING JOINT
4' P-105 CS HYDRIL SUB
123 jts 2 7/8" P-105 CS HYDRIL
200 jts 2 7/8" N-80 ABC 8 RND (ATLAS BRADFORD)
7"X 33' X 1.87" MDL EL-2 TBG SEAL RECEPT.
W/ 2 7/8" EUE 8 RND BOX & PIN (ID=1.87, OD=7.00)
X-OVER: 2 7/8" EUE 8 RND BOX X 3 1/2" EUE 8 RND PIN
(ID=2.441, OD=3.668)
MDL E-22 TBG SEAL ASSY
W/ 3 1/2" EUE 8 RND BOX & PIN (ID=3.0, OD=4.75)
MODEL "D" RET. PACKER (ID=4.750, OD=8.125)
X-OVER: 3 1/2 EUE 8 RND BOX X 2 3/8 EUE 8 RND PIN
(OD=4.5, ID=1.995)
45 jts 2 3/8 EUE 8 RND
1.81 BAKER F SN (OD=3.063, ID=1.81)
1 jt 2 3/8 EUE 8 RND

PKR @ 10,150'

10,750'

9 5/8", 43.5, 47 & 53.5# @ 10,750'
S-95 LTC
CEMENT W/ 3,275 sx
TOC: 1,500'

WOLFCAMP PERFS:
11,680-11,690, 11,699-11,700 (2 SPF)

11,898-11,918 (2 SPF)

CMT CAP
CIBP @ 13,000'

13,599'

7", 34.58# @ 10,225' - 13,599'
P-110, SFJ & FL4S, HYDRIL & ATLAS
CEMENT W/ 1100 sx

**CURRENT CONFIGURATION**
**TD: 14,418'**
**PBTD: 12,851'**

LCP/BFCOM1.DRW
08/15/95

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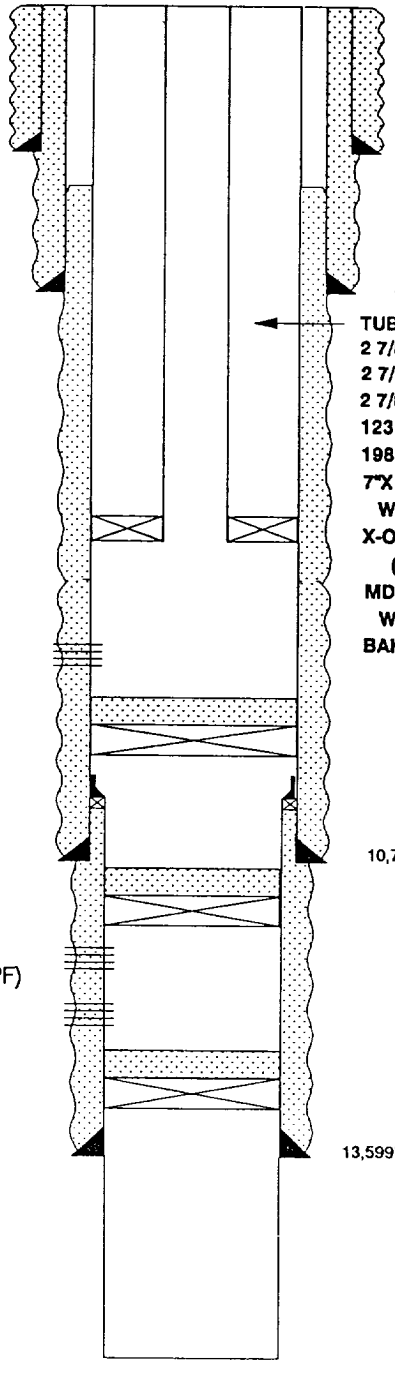

20", 94# @ 393'
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CEMENT W/ 900 sx
TOC: SURF (CIRC)

393'

13 3/8", 61 & 54.5# @ 3,260'
J-55 & K-55, STC
CEMENT W/ 3,150 sx
TOC: SURF (CIRC)

3,260'

TUBING STRING:
2 7/8" N-80 EUE 8 RND PIN X 2 7/8" EUE 8 RND PIN
2 7/8" EUE 8 RND N-80 LANDING JOINT
2 7/8" N-80 SUBS AS NEEDED
123 jts 2 7/8" N-80 EUE 8 RND
198 jts 2 7/8" N-80 ABC 8 RND (ATLAS BRADFORD)
7"X 33 X 2.31F" MDL EL-2 TBG SEAL RECEPT.
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W/ 3 1/2" EUE 8 RND BOX & PIN (ID=3.0, OD=4.75)
BAKER RETRIEVA-D PACKER (ID=4.750, OD=8.281)

PKR @ 10,100'

3rd BONE SPRING PERFS:
10,152-10,170 (4 SPF)

10' CMT CAP
CIBP @ 10,220'

35' CMT CAP
CIBP @ 11,650'

WOLFCAMP PERFS:
11,680-11,690, 11,699-11,700 (2 SPF)
11,898-11,918 (2 SPF)

CMT CAP
CIBP @ 13,000'

10,750'

9 5/8", 43.5, 47 & 53.5# @ 10,750'
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**PROPOSED CONFIGURATION**
**TD: 14,418'**
**PBTD: 12,851'**

LCP/BFCOM1b.DRW
08/17/95