Form 3160-5
(July 1989)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVIN OFFICE FOR NUMBER OF COPIES REQUIRED
(Other instructions on reverse side)

BLM Roswell District
Modified Form No.
NM060-3160-4

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: LC-030177(b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Meridian Oil Inc.

8. FARM OR LEASE NAME: C.W. Shepherd B Federal

3. ADDRESS OF OPERATOR: 21 Desta Dr., Midland, TX 79705

3a. AREA CODE & PHONE NO.: 915-686-5600

9. WELL NO.: 7

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface: 660' FNL & 1980' FEL

10. FIELD AND POOL, OR WILDCAT: Langlie-Mattix (7 RV, Q, GR)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T26S, R37E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 2980' GR

12. COUNTY OR PARISH: Lea

13. STATE: NM

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other) Add Perfs & Stimulate Recomplete to Yates			[X]	(Other)			[ ]

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

17. 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.)*

Add additional perforations and stimulate for production.
The procedure is attached.

RECEIVED
JAN 28 9 52 AM '91

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

SIGNED Robert L. Bradshaw TITLE Sr. Staff Env/Reg Specialist DATE 23 January 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 1-30-91

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions on Reverse Side**

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.

Shepherd Fed. B #7
Rhodes (Yates Seven Rivers) Field
Lea County, New Mexico

Recommended Yates Recompletion Procedure

1. Order workstring tubing (105 joints 2 7/8" 6.5# N-80 EUE) to location. Ru pulling unit, NU BOP, TOH with any tubing left in well. PU 4 3/4" bit and casing scraper (5 1/2" unknown weight casing) and GIH on 2 7/8" workstring tubing to PBTD, TOH. RU wireline unit and log GR/CNL/CCL from PBTD to 2000'. Dump bail ±30' cement on top of plug if PBTD is below 3020'; TOH.

2. GIH with 4" casing guns and perforate the following expected intervals at 1 SPF 90° phasing (±140 shots total):

•	2720'-2745' 25'	•	2860'-2865' 5'
•	2760'-2790' 30'	•	2870'-2875' 5'
•	2800'-2820' 20'	•	2885'-2890' 5'
•	2830'-2840' 10'	•	2930'-2945' 15'
•	2850'-2855' 5'	•	2950'-2970' 20'

JKz

NOTE: Actual perforated intervals will be determined by the CNL and may vary slightly. Review log with project engineer before perforating.

3. PU 5 1/2" x 2 7/8" RTTS treating packer (or equivalent), 2.25" ID SN, and GIH on 2 7/8" 6.5# N-80 workstring; hydrotest tubing below slips to 5000 psi (sf = 2.11). Set packer at 2980' and pressure test CIBP to 3000 psi. Release packer and reset at 2650'. Swab tubing volume to SN.

4. Pump 5,000g 15% MCA acid with iron control aditives with ±200 7/8" RCNBS spaced evenly throughout at up to 8 BPM. If ballout occurs, surge balls off perfs and displace remaining fluid. Flush to top perf, release packer and GIH to 2980' to knock balls off. Reset packer at 2650'; load casing/tubing annulus and monitor pressure. Fracture stimulate the Yates formation with a total of 40Mg 65 quality CO_2 foam and 90M# 12/20 Brady sand as specified below, (expected surface treating pressure is 3300 psi at 24 BPM):

   - 40,000g 65 quality CO_2 foam (40# linear gelled KCl water base fluid)
   - 90M# 12/20 Brady sand ramped from 1 ppg to 8 ppg
   - Expected ATP 3300 psi at 24 BPM down tubing
   - Maximum treating pressure 3500 psi (sf 1.22 burst)

   SI well for 4 hours; open to the frac tank on an 8/64" positive choke; vary choke size as required to flow/cleanup.

5. Release packer and TOH laying down 2 7/8" workstring. PU sand pump on sandline and cleanout to PBTD, if required.

6. GIH with ±91 joints of 2 3/8" 4.7# J-55 EUE production tubing and 1.78" ID SN, set SN at 2850'. ND BOP, NU wellhead. Run a 2" x 1 1/4" x 28' RHBC pump on 3/4" used grade D or KD steel rods. Seat pump, clamp rods off. RD pulling unit. Set a conventional 114-133-54 pumping unit, hang rods on beam. Sheave to run 6 SPM in long crank hole. Monitor and report production volume, pressures, and choke sizes on the daily production test report.

BLK 12/7/90

Approved: _____ Date: _____
T. J. Harrington

SHEPHERD FED.B #7
Rhoaes Yates Seven Rivers Field
Lea County, New Mexico
WI 1.0 ; NRI .8750

11/29/90 bla