

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Meridian Oil Inc.		8. FARM OR LEASE NAME Farnsworth 4	
3. ADDRESS OF OPERATOR 21 Desta Dr., Midland, TX 79705		3a. AREA CODE & PHONE NO. 915-686-5600	9. WELL NO. 11
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 480' FNL & 990' FWL		10. FIELD AND POOL, OR WILDCAT Langlo Matrix (7 RV, 2, GR)	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T26S, R37E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 2999' 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Add Perfs & Stimulate <input checked="" type="checkbox"/>		(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 23 8 53 AM '91
WATER
AREA

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

Farnsworth 4 #11
Rhodes (Yates Seven Rivers) Field
Lea County, New Mexico

Recommended Fracture Stimulate Procedure

1. Order new production tubing (± 110 jt 2 7/8" 6.5# J55 EUE) to location. RU pulling unit. NU BOP.
2. PU 4 3/4" bit, casing scraper, and 2 7/8" J55 tubing; GIH and tag CIBP at 3050'. Pressure test casing to 500 psi for 5 minutes, TOH.
3. RU wireline unit. Log GR/CNL/CCL log from PBTD to 2200'. GIH with 4" casing guns and perforate 1 shot every 4 feet the following anticipated porosity (± 28 shots total):

- | | |
|---------------------|---------------------|
| • 2778'-2786' (8') | • 2900'-2920' (20') |
| • 2794'-2854' (60') | • 2922'-2926' (6') |
| • 2878'-2894' (16') | |

NOTE: Actual perforations will be picked by project engineer from logs at this point.

4. PU a 5 1/2" x 2 7/8" treating packer, 2.25" ID SN, and GIH on 2 7/8" 6.5# J55 tubing; hydrotest tubing below slips to 5000 psi (sf = 1.45). Set packer $\pm 100'$ above top perforation.
5. Pump 4,000g 7 1/2% NEFe acid (double iron control) with 60 7/8" RCNBS spaced evenly throughout at up to 6 bpm. If ballout occurs, surge balls off perfs and displace remaining fluid. Flush to top perf, release packer and GIH to 2950' to knock balls off. Reset packer at $\pm 2700'$; load casing/tubing annulus and monitor pressure. Fracture stimulate the Yates formation with a total of 36Mg 65 quality CO₂ foam and 80M# 12/20 Brady sand as specified below, (expected surface treating pressure is 3300 psi at 30 bpm; **maximum treating pressure is 4000 psi**):
 - 36,000g 65 quality CO2 foam
 - 80,000# 12/20 Brady sand (1/2 ppg to 6 ppg)
 - Expected treating pressure 2500 psi @ 25 bpm
 - Maximum treating pressure 4000 psi (sf 1.2 burst)

Shut well in 4 hours; open to frac tank on a 8/64" choke initially.

6. Flow/swab well back as required; evaluate fluid influx and gas production. Release packer and. GIH on sandline with bailer and remove fill to PBTD, TOH.
7. GIH with production tubing and SN to $\pm 2900'$; set SN at $\pm 2900'$, swab fluid in tubing. Flow test well as required. Report daily average MCF on production sheet.

Approved: Brian D. Harrington for T.J.H.
T. J. Harrington

Date: 12/27/90

285
300
611.4

FARNSWORTH 4 #11
Rhodes Yates Seven Rivers Field
Lea County, New Mexico
WI .9844 ; NRI .8490

8/10/90 bla

