

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
**MERIDIAN OIL**

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

4. Location of Well, Footage, Sec., T, R, M  
1170' FNL, 960' FWL Sec. 28, T-26-N, R-6-W, NMPM

5. Lease Number  
SF-079266

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Vaughn #30E

9. API Well No.

10. Field and Pool  
Basin Dakota

11. County and State  
Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA  
Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other -Add Mesa Verde & commingle

13. Describe Proposed or Completed Operations

It is intended to open the Mesa Verde formation and commingle with the Dakota in this well. Commingling application is being made with the New Mexico Oil Conservation Division. Commingling will not occur until at least three months after Mesa Verde production data is acquired. After this three month test, an allocation formula will be submitted for approval. Attached is the proposed procedure and wellbore diagram.

**RECEIVED**  
APR 28 1993  
OIL CON. DIV.  
DIST. 2

RECEIVED  
SEH  
APR 20 11:30 AM

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

Signed *Gregg J. Adkins* (TEM) Title Regulatory Affairs Date 4/20/93

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

**APPROVED**

Date APR 23 1993

DISTRICT MANAGER

**Vaughn # 30E**  
**Mesaverde Completion Procedure & Commingle with Dakota**  
**T26NR06WSec28D**

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Prior to Moving on Location. Comply with all BLM, NMOCD, & MOI rules and regulations. Verify Commingle Application Approval. Dig Reserve & Blow Pit. Install & Test Rig Anchors. **Always Hold Safety Meetings.**

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1. Move on Location. Blow down 2-3/8" tubing. ND WH. NU BOP & Test rams. TIH & tag fill. TOOH w/2-3/8". Spot six (6) - 400bbl tanks & Fill w/ filtered 2% KCl water.
2. w/wireline Run 5" 23# gauge ring to 5200'. Note DV @ 5518'. PU 5" RBP & PKR combination on 2-3/8" tubing. TIH & set RBP @ 5150'. Dump 1 sx sand on RBP down tubing. Fill hole w/ 2% KCl water. Pressure Test tubing to 3800psi. Test RBP & casing in two stages # 1 to 2000 psi. Hold 5 min, then # 2 to 4000 psi. Hold & record pressure for 10 min. TOOH.
3. Run GR-CCL-CBL from 5150' to surface. Assure bond from 5150' to 4850'. Advise Engineering.
4. NU Treesaver. Test Casing & WH to 6500 psi. ND Treesaver.
5. w/ wireline. Perforate with 3-1/8" HSC select fire (Owen 10gr charge, 0.38" Dp, Lp 17"). Perforate bottom up underneath a packoff as follows 41 holes 1 SPF @:  
  
**4912', 4914', 4918', 4920', 4922', 4932', 4934', 4936', 4938', 4940', 4942', 4944', 4946', 4948', 4950', 4978', 4980', 4990', 4992', 4994', 4996', 4998', 5000', 5002', 5004', 5006', 5032', 5034', 5036', 5040', 5042', 5058', 5060', 5084', 5086', 5116', 5118', 5126', 5128', 5136', 5138'**  
Correlate perms w/ attached GR log section.
6. TIH with PKR on 2-3/8". Set PKR 150' above perforations. Breakdown perforations with 600 gallons 15% HCl inhibited acid(surf 1gal/1000) & 56 bbls (2100gal) of filtered 2% KCl at 8 to 10 BPM. Ball-off with 82 7/8" RCN 1.1 spec grav ball sealers. Unseat PKR. Knock balls off perforations. TOOH.
7. With Treesaver installed. Frac First Stage as per attached schedule. 60 BPM 1ppg to 2ppg stages with 283,100 gal 70Q foam, 30# linear gel, & 260,000# 20/40 Arizona sand. Flush with 2% KCl water. Max pressure 6500 psi.
8. Wait on gel to break 3hrs. Flow back well. When rates & pressures allow remove Treesaver. TIH w/ float & tbg. Clean out to RBP.
9. Flow & gauge well. TOOH.
10. Run after-frac Gamma Ray log in 5" csg.
11. TIH w/ production string as follows. One jt 2-3/8" openended, one 4' perforated sub, one 'F' nipple, & remaining 2-3/8". Land tubing @ 5050'.
12. ND BOP. NU WH. Rig Down & move off location. Obtain final 1 hr gauge up tubing.
13. Rig up Tefteller. Run 7 day btm hole pressure bomb in SN. SI 7 days. Retrieve bomb.
14. Production Operations will first deliver well to EPNG.

15. After 3 months production. The RBP will be recovered and the well commingled in the Mesaverde and Dakota.

Approved: J. A. Howieson  
Drilling Superintendent

Suggested Vendors:

Stimulation Services	Halliburton	325-3575
Perforating	Basin Perforators	327-5244
Treesaver	Wellhead Isolation Tools	599-5609
Pressure Bomb	Tefeller	325-1731
Radioactive Tagging	Protechnics	326-7133
Water Filtering	Blakley Oilfield Service	326-6934
Packers & Bridge Plugs	Baker Service Tools	325-0216
Engineering	T. E. Mullins	326-9546-W
		325-9361-H

*Jhm*

## BASIN DAKOTA

## CURRENT

**PROPOSED**