

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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
1850'FNL, 1115'FWL Sec.21, T-30-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-26625

5. Lease Number
Fee

6. State Oil&Gas Lease #
Fee

7. Lease Name/Unit Name
Fifield

8. Well No.
4

9. Pool Name or Wildcat
Blanco Mesa Verde

10. Elevation:

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Pay Add

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

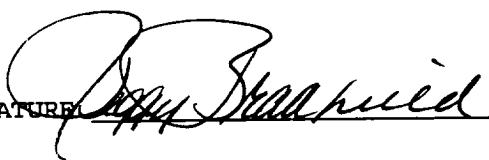
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesa Verde in the subject well according to the attached procedure and wellbore diagram.

RECEIVED
JUL 14 1995
OIL CON. DIV.
DIST. 3

SIGNATURE



Regulatory Administrator July 14, 1995

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH

DEPUTY OIL & GAS INSPECTOR, DIST. #2

Date

JUL 14 1995

PayAD FIFIELD #4
Recommend Recompletion Procedure
Unit E Section 21 T30N R11W

1. Test rig anchors and repair if necessary. Install 10-400 bbl frac tanks on location and fill with 1% KCl water for fracture treatment. Filter all water to 25 microns. Heat water as required by weather.
2. MOL and RU. Comply to all NMOCD, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOO H with 4733' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad joints.
4. TIH on 2-3/8" tubing with 7" casing scraper and 6-1/4" bit. Clean out to top of liner hanger at 2327'. TOO H.
5. TIH with 2-3/8" tubing with 4-1/2" casing scraper and 3-7/8" bit. Clean out 4-1/2" liner from 2327' to PBTD at 4863' with air.
6. Blow to pit until sand production is minimal to absent. TOO H.
7. Set 4-1/2" RBP at 4430' on 2-3/8" tubing. Load hole with 1% KCl water. TOO H.
8. RU wireline and run CBL/CCL/GR from PBTD 4430' to 2430' under 1000 psi surface pressure. TIH with 7" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3400 psi. If pressure test does not hold, TIH with packer and tubing and locate failure. Contact Production Engineering and a repair procedure will be provided. Release packer and TOO H.

*****Menefee*****

9. Perforate with 3-1/8" Select-Fire HSC with centralizes and charges meeting requirements for average penetration in Berea of 12.0" and average perforation diameter of 0.30". Perforation the following Menefee intervals with 1 spf .

3929'	4164'	4221'	4360'
3976	4170'	4263'	4364'
4064'	4179'	4267'	4390'
4088'	4198'	4271'	
4134'	4204'	4356'	

Total: 18 holes.

10. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 950 gal. of 15% HCl at 7-8 bbls/min. Drop a total of 36 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOO H.

PAYADD FIFIELD #4
Recommend ~~Recompletion~~ Procedure
Unit E Section 21 T30N R11W
Page 2

11. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.
12. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Menefee according to attached procedure. **Stimulation will be limited entry (approximately 2.0 bpm/perf), slickwater, 100,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.0 ppg and 25% pad volume.** Flush to the top perf. Release packer and TOOH.
13. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4430' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
14. TIH with notched collar on 2-3/8" tubing and clean out to PBTD at 4863' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
15. TIH with 4712' of 2-3/8" tubing with standard seating nipple with aluminum pump out plug, a 6' perforated sub and one joint on bottom. Land tubing string.
16. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge and gas, oil and water samples.

Approve: _____
Team Leader

Approve: _____
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	Dowell	325-5096
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb

Pertinent Data Sheet - Fifield #4

Location: 1850' FNL & 1115' FWL, Unit E, Section 21, T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesa Verde **Elevation:** 5754' GL
5754' KB **TD:** 4975'
PBTD: 4863'

Completed: 1/30/86 **Spud Date:** 12/29/85 **DP #:** 54494A

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
12-1/4"	9-5/8"	32.3# H-40 ST&C	224'	117 sx. (surface)
8-3/4"	7"	20.0# K-55 LT&C	2415'	313 sx. (surface)
6-3/4"	4-1/2" liner	10.5# K-55 ST&C	4876'	339 sx. (uk)*

Liner Hanger @ 2327' Float Collar @ 4863'

Cement:

Surface: 117 sx. Class "B" w/3% CaCl₂ 1/4 lb. Flocele/sk. Circulated to Surface.

1st stage:

Lead 213 sx. 65/35 Pozmix w/6% Gel, 2% CaCl₂ 1/2 cuft perlite/sx.

Tail 100 sx. Class "B" w/2% CaCl₂.

Liner: 50 sx. 50/50 Pozmix w/2% Gel, 0.6 Halad-9. Followed by 289 sx. class B, 50/50 Poz mix, 2% gel, 6-1/4 lb Gilsonite/sx, 1/4# flocele/sx, 0.6% Halad-9.
* WOC last report, no information on cement surfacing or cement top.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	4733'

Formation Tops:

Ojo Alamo:	677'	Menefee:	3838'
Pictured Cliffs:	2118'	Point Lookout:	4440'
Chacra:	3124'	Mancos:	4940'
Mesa Verde:	3710'		

Logging Record: GR-IND, GR-D-N, TEMP.

Stimulation: Perforated 4622', 4634', 4639', 4644', 4653', 4669', 4675', 4681', 4720', 4742'.
44,625# 20/40 & 63,092 gallons slickwater.

Perforated 4458', 4462', 4466', 4478', 4482', 4486', 4490', 4494', 4498', 4502', 4506',
4510', 4514', 4518', 4522', 4531', 4572'. 67,000# 20/40 sand & 88,361 gallons
slickwater.

Workover History: NONE

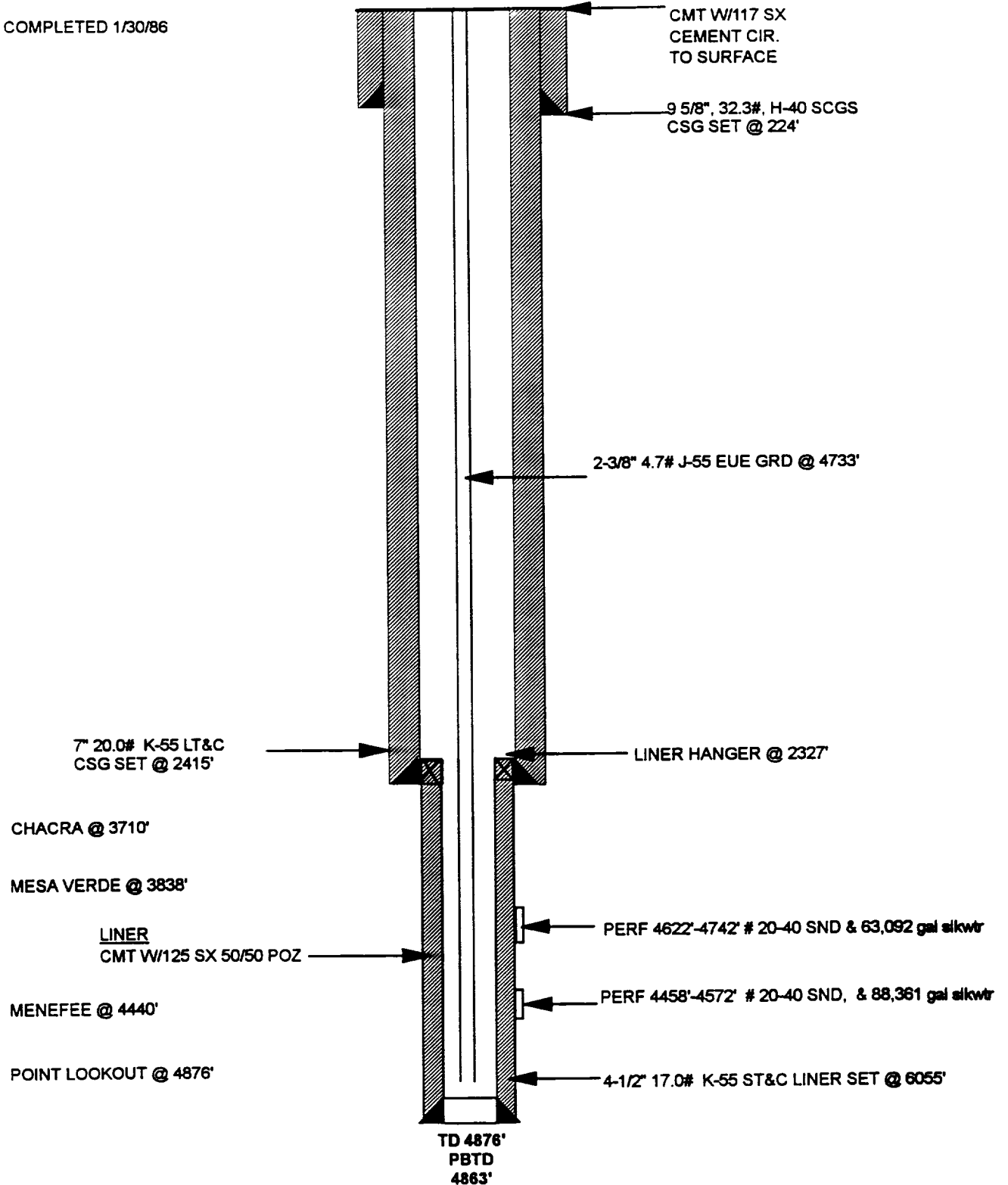
FIFIELD #4

CURRENT

BLANCO MESA VERDE

UNIT E, SEC 21, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 1/30/86



Proposed

UNIT E, SEC 21, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 1/30/86

