

submitted in lieu of Form 3160-5

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
1650' FNL, 790' FEL, Sec.12, T-25-N, R-3-W, NMPM

5. Lease Number
NM-014856

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
McCroden #7

9. API Well No.
30-039-23555

10. Field and Pool
Blanco Mesaverde/
West Lindrith Gal-DK

11. County and State
Rio Arriba Co, NM

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

Type of Submission

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - Abandon Gallup/Dakota	

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well according to the attached procedure and wellbore diagram.

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

Signed [Signature] (LLL9) Title Regulatory Administrator Date 11/2/95

(This space for Federal or State Office use)
APPROVED BY [Signature] Title Chief, Lands and Mineral Resources

CONDITION OF APPROVAL, if any: _____ Date DEC 5 1995

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-1
Revised February 21, 19
Instructions on b:
Submit to Appropriate District Off
State Lease - 4 Cop
Fee Lease - 3 Cop

☐ AMENDED REPO

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-23555		Pool Code 72319/39189		Pool Name Blanco Mesaverde/West Lindrith Gallup-Dal	
Property Code 7302		Property Name McCroden			Well Number 7
OGRID No. 14538		Operator Name MERIDIAN OIL INC.			Elevation 7345'

10 Surface Location

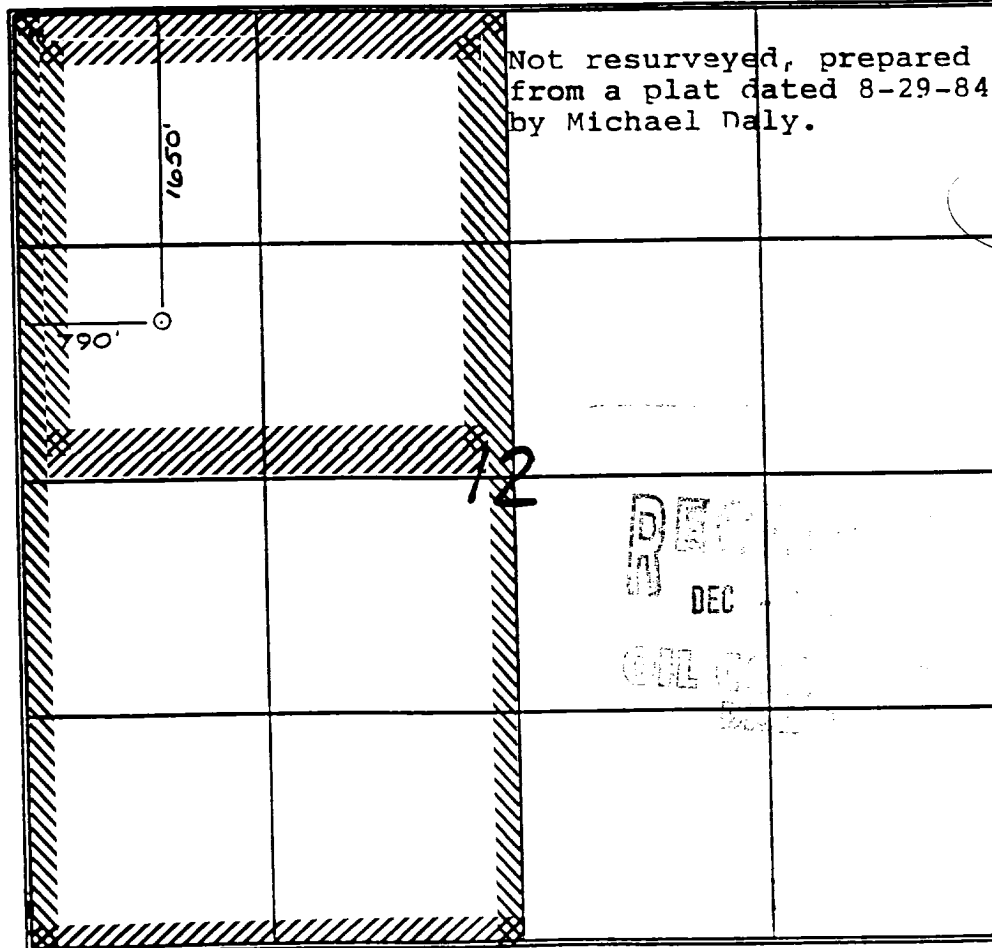
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
E	12	25 N	3 W		1650	North	790	West	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 1.60-W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Not resurveyed, prepared
from a plat dated 8-29-84
by Michael Daly.

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is
true and complete to the best of my knowledge and be

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
11-8-95
Date

18 SURVEYOR CERTIFICATION

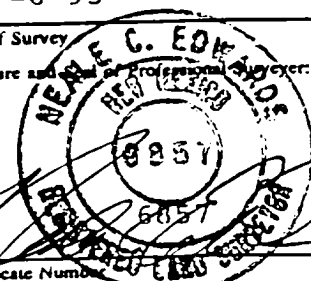
I hereby certify that the well location shown on this p
was plotted from field notes of actual surveys made b
or under my supervision, and that the same is true an
correct to the best of my belief.

11-6-95

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number



Pertinent Data Sheet - McCroden #7

Location: 1650' FNL. 790' FEL. Unit E, Sec 12, T-25-N, R-3-W
Rio Arriba County, NM Lat 36-24-54, Long 107-6-8

Current Field: Ojito Gallup Dakota

Spud: 11-11-84

Completed: 2-8-84

Elevation: 7345' GL

TD/PBTD: 8415' / 8370'

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
12-1/4"	8-5/8"	24# / K-55	313'	295 cu ft / surf
7-7/8"	4-1/2"	11.6# / K-55	8413'	2491 sks / surf
			DV @ 6350'	(3 stage)
			DV @ 4007'	

Tubing Record:

<u>Size</u>	<u>Weight/Grade</u>	<u>Depth Set/Jts.</u>	<u>Other</u>	<u>Depth</u>
2-3/8"	4.7# / J-55	8085' / 259 jts		
			SN	8020'
			Bull Plug, Mud Anchor, Perf Joint	

Formation Tops:

Ojo Alamo	3578'	Cliffhouse	5520'
Kirtland	3630'	Menefee	
Fruitland	3650'	Point Lookout	5970'
Pictured Cliffs	3842'	Gallup	6770'
Lewis		Dakota	8085'

Logging Record: DIL, GR, Sonic, LDT, CNC, NGT, CBL (run 8333' - 6100')

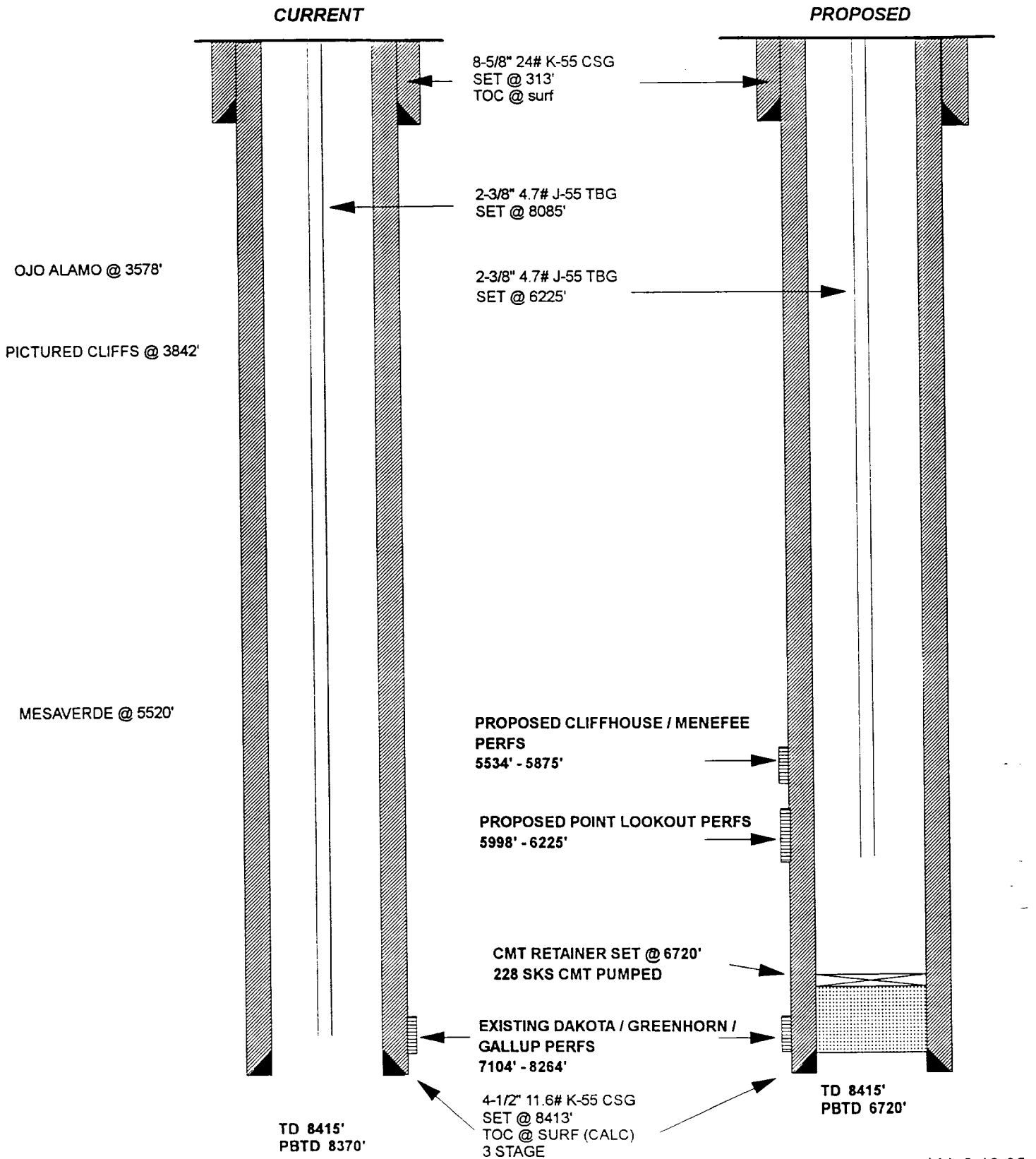
Present Completions:

Dakota	8100' - 8264'
Greenhorn	7992' - 8044'
Gallup	7104' - 7696' (Selected Intervals)

Workover History: N / A

McCroden #7

UNIT E, SEC 12, T-25-N, R-03-W, RIO ARRIBA COUNTY, NM
Lat 36-24-54 Long 107-6-8



McCroden #7

Unit E, Section 12, T-25-N, R-3-W, Rio Arriba County, New Mexico
Lat 36-24-54, Long 107-6-8

Inspect location and install and/or test rig anchors. Install 4 frac tanks loaded with 2% KCl. Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. TOOH with 259 jts of 2-3/8" 4.7# J-55 EUE tubing. Visually inspect, tally, and stand back tubing. Replace any bad joints.
4. PU 4-1/2" casing scraper on 2-3/8" tbg. TIH to approx 7100'. TOOH.
5. TIH w/ 4-1/2" cmt retainer on 2-3/8" tbg and set at 6720'. Pump 228 sks cement. This represents 100% excess cement. TOOH.
6. PU 4-1/2" pkr on 2-7/8" tbg. TIH and set pkr at approx 60'. Load hole and pressure test casing to 1000 psi for 15 min. TOOH.
7. RU electric line unit. Run GR-CBL-CCL from 6300' to 5450' under 1000 psi surface pressure. Top of good cement must be above 5484' to continue. Evaluate CBL and send copy to production and drilling.
8. PU 4-1/2" pkr on 2-7/8" tbg. TIH and set pkr at approx 60'. Load hole and pressure test casing to 4200 psi for 15 min. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule. TOOH.

Point Lookout Stimulation:

9. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

5998' 6000' 6002' 6004' 6006' 6012' 6014' 6016' 6018' 6020'
6023' 6027' 6040' 6051' 6060' 6064' 6066' 6068' 6106' 6119'
6121' 6130' 6149' 6151' 6168' 6181' 6210' 6220' 6223' 6225'
(60 total holes)

McCroden #7

Unit E, Section 12, T-25-N, R-3-W, Rio Arriba County, New Mexico

Lat 36-24-54, Long 107-6-8

10. RD electric line unit. PU 4-1/2" pkr on 2-7/8" tbg. TIH and set pkr at approx 60'.
11. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 90 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
12. TOOH w/ tbg and pkr. RU electric line unit. RIH w/ 4-1/2" 11.6# gauge ring and knock balls off perforations. RD electric line unit. TIH w/ 4-1/2" pkr on 2-7/8" tbg. Set pkr at approx 60'.
13. RU stimulation company. Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi.** Fracture stimulate the Point Lookout interval w/ 150,000 lbs 20/40 sand and 70Q nitrogen foam at approximately 40 bpm according to the attached procedure (labeled *Point Lookout*).
14. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release pkr and TOOH w/ 2-7/8" tbg and pkr.
15. RU electric line unit. RIH w/ 4-1/2" RBP and set at 5900'. TIH w/ 4-1/2" pkr on 2-7/8" tbg and set pkr at approx 60'. Load hole and pressure test RBP to 4200 psi for 15 min. TOOH. Dump 2 sks sand on RBP.

Cliffhouse / Menefee Stimulation:

16. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

**5534' 5539' 5541' 5570' 5572' 5574' 5477' 5581' 5584'
5600' 5612' 5618' 5620' 5627' 5629' 5755' 5757' 5873' 5875'
(38 total holes)**

17. RD electric line unit. TIH w/ 4-1/2" pkr on 2-7/8" tbg and set pkr at approx 60'.
18. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 57 7/8" (1.3 sg)

McCroden #7

Unit E, Section 12, T-25-N, R-3-W, Rio Arriba County, New Mexico

Lat 36-24-54, Long 107-6-8

RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.

19. TOOH w/ tbg and pkr. RU electric line unit. RIH w/ 4-1/2" 11.6# gauge ring and knock balls off perforations. RD electric line unit. TIH w/ 4-1/2" pkr on 2-7/8" tbg and set pkr at approx 60'.
20. RU stimulation company. Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi).** Fracture stimulate the Cliffhouse and Menefee intervals w/ 115,000 lbs 20/40 sand and 70Q nitrogen foam at approximately 40 bpm according to the attached procedure (labeled *Cliffhouse / Menefee*).
21. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release pkr and TOOH w/ 2-7/8" tbg and pkr.
22. TIH w/ 2-3/8" tbg and notched collar and clean out to RBP set at 5900' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse / Menefee.** Latch onto RBP and TOOH.
23. TIH 2-3/8" tbg with seating nipple and expendable check one joint off bottom and cleanout to 6250' with air. Land tubing at approx 6225'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Cliffhouse / Menefee / Point Lookout.** Contact Production Operations for well tie-in. RDMO.

Approved: _____
Regional Team Leader

Approved: _____
Drilling Superintendent