

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- | | |
|--|--|
| <p>1. Type of Well
GAS</p> <p>2. Name of Operator
MERIDIAN OIL</p> <p>3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M
2146' FSL, 1650' FWL, Sec.2, T-25-N, R-3-W, NMPM</p> | <p>5. Lease Number
NM-014856</p> <p>6. If Indian, All. or
Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name & Number
McCroden C #1</p> <p>9. API Well No.
30-039-23308</p> <p>10. Field and Pool
Blanco Mesaverde/
West Lindrith Gal-DK</p> <p>11. County and State
Rio Arriba Co, NM</p> |
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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 recomplete the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC - 6 1995
OIL CON. DIV.
DIST. 3

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 Chief, Lands and Mineral Resources)
APPROVED BY [Signature] Title _____ Date DEC 5 1995
CONDITION OF APPROVAL, if any:

HOLD C-104 FOR NSL
(E)

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos 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

*Hold C-104
For N56 C*

Form C-10
Revised February 21, 1995
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-23308	Pool Code 72319/39189	Pool Name Blanco Mesaverde/West Lindrieth Gal-DK
Property Code 7305	Property Name McCroden C	Well Number 1
OGRID No. 14538	Operator Name MERIDIAN OIL INC	Elevation 7292'

10 Surface Location

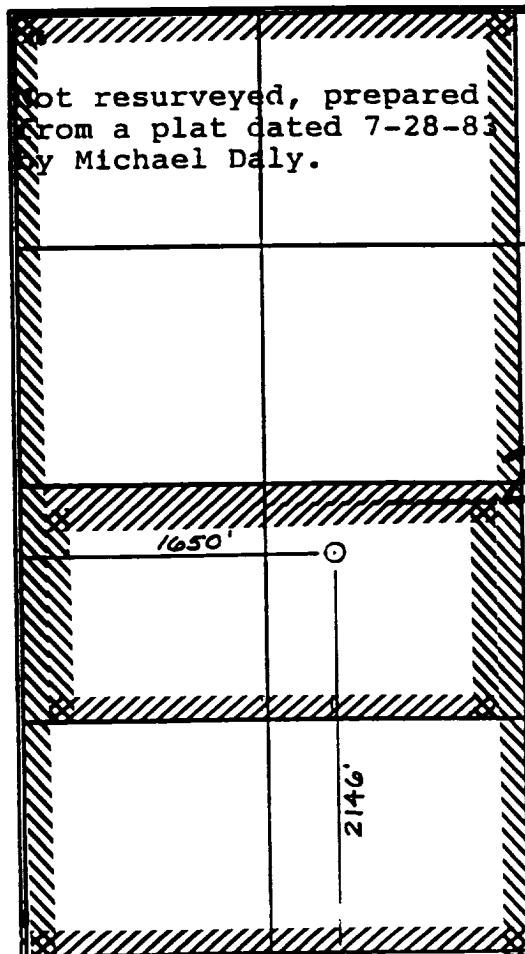
UL or lot no. K	Section 2	Township 25 N	Range 3 W	Lot Ida	Feet from the 2146	North/South line South	Feet from the 1650	East/West line West	County R.A.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres W/356.75-89	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



17 OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

11-8-95
Date

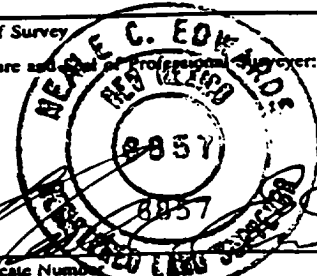
18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and 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 C #1

Location: 2146' FSL, 1650' FWL, Unit K, Sec 2, T-25-N, R-3-W
Rio Arriba County, NM Lat 36-25-32, Long 107-7-2

Current Field: Ojito Gallup Dakota Ext

Spud: 10-15-83

Completed: 12-7-83

Elevation: 7292' GL
7304' KB

TD/PBTD: 8450' / 8402'

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	285'	295 cu ft / surf (calc)
7-7/8"	4-1/2"	11.6# / K-55	8450'	3968 cu ft / surf (calc)
			DV @ 6542'	(3 stage)
			DV @ 4050'	

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	8238' / 266 jts		
			SN	8174'

Formation Tops:

Ojo Alamo	3537'	Cliffhouse	5482'
Kirtland	3590'	Menefee	
Fruitland	3644'	Point Lookout	5961'
Pictured Cliffs	3840'	Mancos	6125'
Lewis	3900'	Gallup	6743'

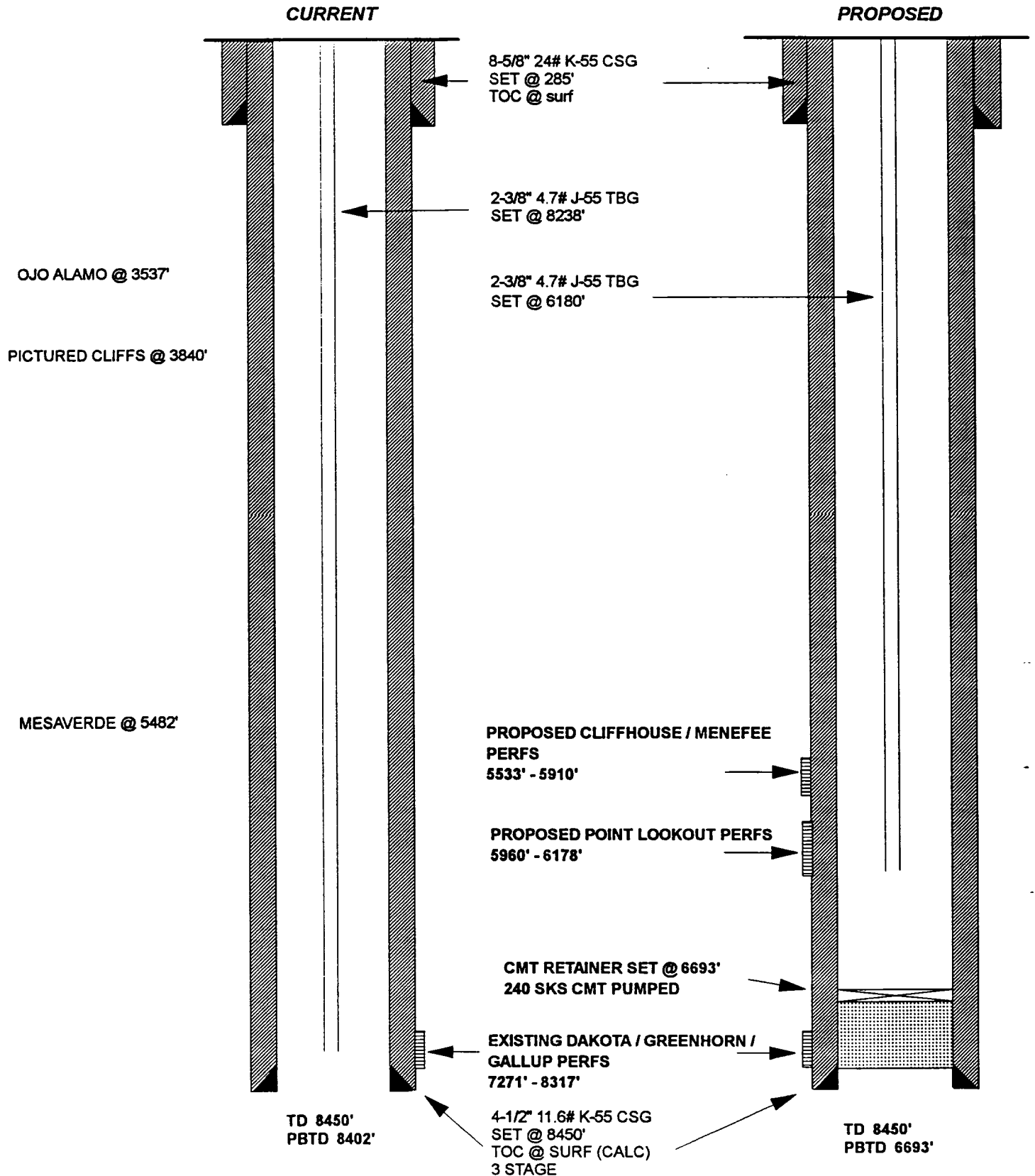
Logging Record: I-SFL, CNL-LDT, CBL (run 8386' - 6500')

<u>Present Completions:</u>			
Burro Canyon	8361' - 8363'		*Squeezed (wet)
Dakota	8335' - 8337'		*Squeezed (wet)
Dakota	8312' - 8317'		
Dakota, Graneros	8077' - 8150'		
Greenhorn	7959' - 8033'		
Sanostee	7658' - 7821'		
Lower Gallup	7332' - 7494'		
Upper Gallup	7023' - 7271'		

Workover History: 1988 - Paraffin problems
1990 - Paraffin problems
1991 - Paraffin problems - hole in tubing

McCroden C #1

UNIT K, SEC 2, T-25-N, R-03-W, RIO ARRIBA COUNTY, NM
Lat 36-25-32 Long 107-7-2



McCroden C #1

Unit K, Section 2, T-25-N, R-3-W, Rio Arriba County, New Mexico
Lat. 36-25-32, Long. 107-7-2

Inspect location and install and/or test rig anchors. Install 3 frac tanks filled 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 266 jts of 2-3/8" 4.7# 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 7000'. TOOH.
5. TIH w/ 4-1/2" cmt retainer on 2-3/8" tbg and set at 6693'. Pump 240 sks cement. This represents 100% excess cement. TOOH.
6. TIH w/ 4-1/2" pkr on 2-7/8" tbg 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 6250' to 5450' under 1000 psi surface pressure. Top of good cement must be above 5482' to continue. Evaluate CBL and send copy to production and drilling.
8. TIH w/ 4-1/2" pkr on 2-7/8" tbg 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:

5960' 5962' 5964' 5966' 5968' 5970' 5972' 5974' 5976' 5978'
5980' 5982' 5984' 5986' 5988' 5990' 5992' 5996' 6008' 6012'
6014' 6022' 6038' 6040' 6088' 6090' 6098' 6100' 6137' 6178'
(60 holes total)

McCroden C #1

Unit K, Section 2, T-25-N, R-3-W, Rio Arriba County, New Mexico

Lat. 36-25-32, Long. 107-7-2

10. RD electric line unit. PU w/ 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 and 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/ 140,000 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 5930'. TIH w/ 4-1/2" pkr on 2-7/8" tbg. 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:

**5533' 5535' 5537' 5539' 5541' 5549'
5554' 5563' 5565' 5570' 5572' 5574'
5730' 5732' 5734' 5908' 5910'
(34 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

McCroden C #1

Unit K, Section 2, T-25-N, R-3-W, Rio Arriba County, New Mexico
Lat. 36-25-32, Long. 107-7-2

1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 51 7/8" (1.3 sg) 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. 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 / Menefee intervals w/ 80,000 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 5930' 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 6200' with air. Land tubing at approx 6180'. 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