submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
95 OCT 31 PM 1:47
070 FARMINGTON, NM

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**
800'FSL, 1465'FWL, Sec.18, T-28-N, R-8-W, NMPM

DHC-1166

5. **Lease Number**
SF-079205
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
Sharp #5
9. **API Well No.**
30-045-21160
10. **Field and Pool**
Basin Fruitland Coal/
Aztec Pictured Cliffs
11. **County and State**
San Juan Co, NM

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

Type of Submission	Type of Action		
_X_ Notice of Intent	___ Abandonment	___ Change of Plans	
	_X_ Recompletion	___ New Construction	
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	___ Other -		

13. **Describe Proposed or Completed Operations**

It is intended to recomplete the subject well to the Fruitland Coal formation and commingle with the existing Pictured Cliffs production according to the attached procedure and wellbore diagram.

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NOV - 6 1995
OIL CON. DIV.
DIST. 3

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

Signed [signature] (SCWFTC) Title Regulatory Administrator Date 10/30/95

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

APPROVED
NOV 01 1995
DISTRICT MANAGER

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
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

RECEIVED
BLM MAIL ROOM
95 OCT 31 PM 1:47
070 FARMINGTON NM

Form C-10
Revised February 21, 199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 4 Copie
Fee Lease - 3 Copie

☐ AMENDED REPOR

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
30-045-21160	71629/71280	Basin Fruitland Coal/Aztec Pictured Clif

⁴ Property Code	⁵ Property Name	⁶ Well Number
7502	Sharp	5

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	Meridian Oil Inc.	5789'

¹⁰ Surface Location

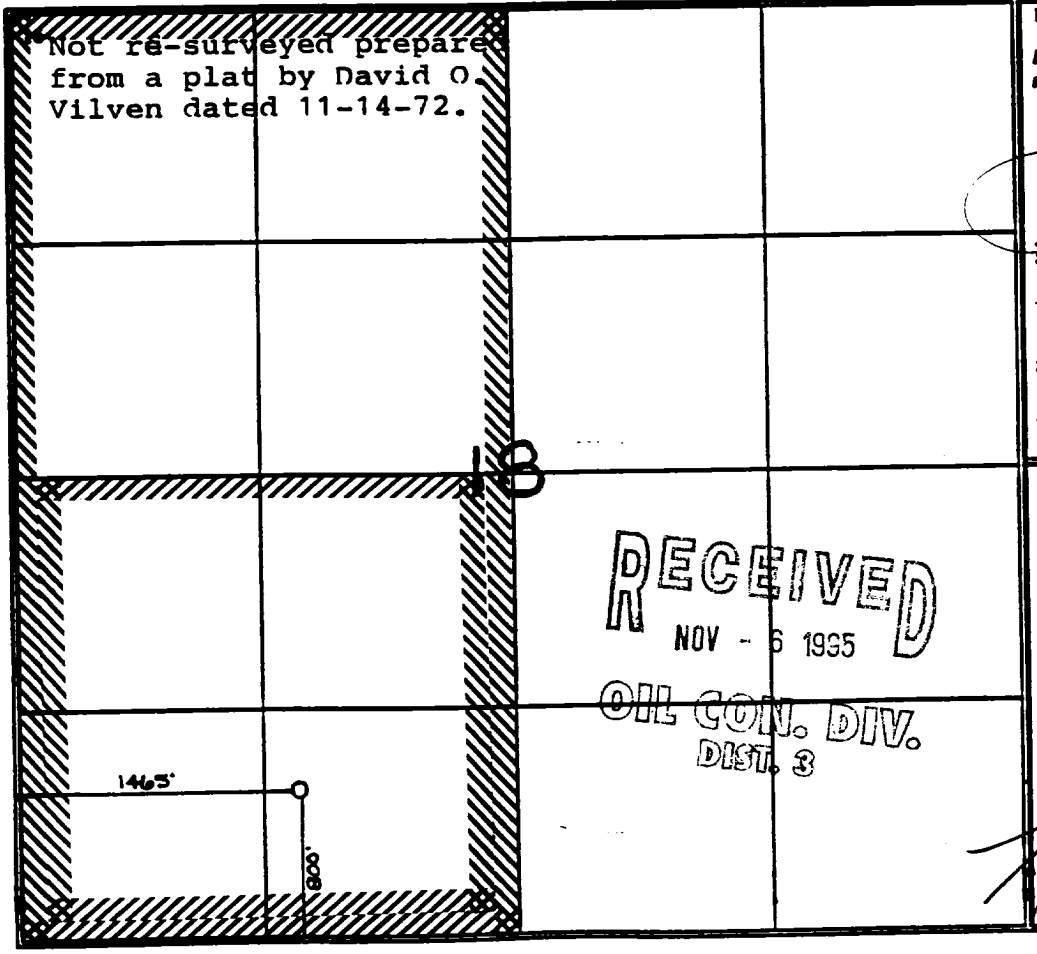
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	18	28 N	8 W		800	South	1465	West	S.J.

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
W/304.52-152.41			

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



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NOV - 6 1995
OIL CON. DIV.
DIST. 3

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

10-30-95
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 m or under my supervision, and that the same is true and correct to the best of my belief.

10-24-95
Date of Survey

Signature and Seal of Professional Surveyor:

NEAL C. EDWARDS
NEW MEXICO
6857
REGISTERED LAND SURVEYOR

6857
Certificate Number

LAT - LONG 36.656235 - 107.725388
MERIDIAN OIL - EXTREME OVERBALANCED PERFORATING

Sharp #5

GENERAL WELL DATA:

Well Name: Sharp #5
Location: Unit N, Section 18, T28N, R08W
County, State: San Juan County, New Mexico
Field: Basin Fruitland Coal
Formation: Fruitland Coal
Elevation: 5789' GL
AFE #:

GEOLOGY:

TD: 2263'
PBTD: 2252'

Surface:	
Ojo Alamo:	1154'
Kirtland:	1266'
Fruitland Coal:	1910'
Pictured Cliffs:	2144'

Phase I & II are rigless operations. Build flare pit and lay 2-7/8" flow lines prior to commencing operations. A differential flow meter will be required for flow back operations during well test. Phase III will require rig to clean out wellbore and return well to commingled production

PROCEDURE:

(Phase I Basal Coal Completion and Well Test)

1. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Blow well down. Control well with 2% KCL if necessary. ND wellhead, NU 5,000# full opening frac valve. NU 5,000# wireline packoff with kill valve. NU frac and flowback manifold to kill valve.

2. MIRU wireline unit and mast truck. Under packoff, run 2-1/2" gage ring to 2252'. POOH. Under packoff, wireline set Owen Premium 2-7/8" CIBP @ 2142'. (Top Pictured Cliffs perforation @ 2144') POOH. Run in hole with dump bailer and spot <1/4 sx of sand on CIBP. POOH.

3. RU acid-pump truck. Load hole with 2% KCL. Pressure test CIBP and casing to 4,000 psi for 15 minutes. Gradually increase pressure to 4000 psi. Release pressure. Contact engineering if test fails. RD pump truck.

4. MIRU swabbing unit. Swab fluid level to 1635' ft (approximately 10 bbls). RD swabbing unit. Release Swabbing Unit.

5. RU wireline unit. Prepare to extreme overbalance perforate lower coals. Under 5,000# packoff head, run 2-1/8" RTG gun with 4 SPF - 0.28" - 6.7 gr Owen charges at 60° phasing. Perforated intervals are 2085'-2088' and 2117'-2135'. **Note: McCullogh Cased hole Gamma Ray Correlation log (4/5/73) is 4 ft high to Schlumberger Openhole Gamma Ray log (12/12/72). Take difference into account when setting perforation depths.**

6. RU nitrogen unit. Pressure test surface lines to 5000 psi. Pressure casing with nitrogen to 4000 psi. Have all personnel on location a minimum of 100' ft from wellhead. Holding 4000 psi on well, perforate 2085'-2088' and 2117'-2135'.

7. Monitor pressure on well for 30 minutes. Release pressure on well. Control well with 2% KCL if necessary prior to POOH with wireline. POOH.

8. Flow test well for 1 hr. Obtain pitot gauge. Blow well down. NU wellhead.

9. RU slickline unit. Under full lubricator, run pressure gauges to 2110'. Pack off lubricator. Shut well in. Commence well test procedure per attached testing program.

(Phase II Upper Coal Completion and Well Test)

1. RU slickline unit. POOH w/ pressure gauges. RD lubricator. Shut well in. RD slickline unit.

2. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Blow well down. ND wellhead. NU frac and flowback manifold to kill valve.

3. Dump 1-1/2 sxs of sand from surface. Allow 1 hr for sand to settle. RU wireline unit. Under packoff, run 2-1/2" gage ring. Tag top of sand. Sand top should be above top perforation of 2085' and below 2080'. POOH. Use dump bailer to spot or remove sand as required.

4. Run in hole with dump bailer and spot 1/2 gal of class A cement w/ 2% CaCl from 2080' to 2078'. POOH. Allow cement to set overnight.

5. Under packoff, run in hole with 2-1/2" gage ring. Tag cement top. Contact engineering if top is above 2070'. POOH.

6. RU acid-pump truck. Load hole 3 bbls of 2% KCL. RD pump truck.

7. RU wireline unit. Prepare to extreme overbalance perforate upper coals. Under 5,000# packoff head, run 2-1/8" RTG gun with 4 SPF - 0.28" - 6.7 gr Owen charges at 60° phasing. Perforated intervals are 2025'-2036', 2040'-2041', 2064'-2069'. **Note: McCullogh Cased hole Gamma Ray Correlation log (4/5/73) is 4 ft high to Schlumberger Openhole Gamma Ray log (12/12/72). Take difference into account when setting perforation depths.**

8. RU nitrogen unit. Pressure test surface lines to 5000 psi. Pressure casing with nitrogen to 4000 psi. Have all personnel on location a minimum of 100' ft from wellhead. Holding 4000 psi on well, perforate 2025'-2036', 2040'-2041', and 2064'-2069'. Release Nitrogen Unit.

9. Monitor pressure on well for 30 minutes. Blow well down. Control well with 2% KCL if necessary prior to POOH with wireline. RD wireline unit.

10. Flow test well for 1 hr. Obtain pitot gauge. Blow well down. NU wellhead.

11. RU slickline unit. Under full lubricator, run pressure gauges to 2050'. Pack off lubricator. Shut well in. Commence well test procedure per attached testing program.

(Phase III Clean out wellbore return well to commingled production)

Deliver to location 2300' of 1-1/2" Homco rental drill pipe.

1. Hold safety meeting. MIRU daylight WO Rig. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM and NMOCD rules and regulations. Blow well down. Kill w/ 2% KCL. ND wellhead and frac valve. NU production valve. NU BOP. NU flow line.

2. TIH with 2-3/8" blade bit. Drill out 2' cmt plug at approximately 2080'. Clean out sand from 2080' to 2144' w/ air. Drill out CIBP set @ at 2142' TOOH w/ 1-1/2" drill pipe and blade bit..

3. Flow test commingled Pictured Cliffs and Fruitland Coal zones.

4. Nipple down BOP. Nipple up wellhead assembly.

5. Shut in well. Rig down. Release rig to next location. Notify Production Operations that well is ready for facilities to be set.

Compiled By: Sean Woolverton 10/17/95
S. C. Woolverton
Production Engineer

Approved By: [signature] for Dwight [signature] 10/17/95
D. W. Hill — Drilling Superintendent

Vendors:

Wireline Services	Basin Perforating (327-5244)
Pumping Services	BJ Services (327-6288)
Slickline services	MOI slickline (326-9851)

SCW/scw Engineer: Sean Woolverton (H) 326-4525 (W) 326-9837

LAT - LONG 36.656235 - 107.725388
MERIDIAN OIL - PRESSURE EQUIPMENT PLACEMENT PROCEDURE

Sharp #5

GENERAL WELL DATA:

Well Name: Sharp #5
Location: Unit N, Section 18, T28N, R08W
County, State: San County, New Mexico
Field: Basin Fruitland Coal
Formation: Fruitland Coal
Elevation: 5789' GL
AFE #:
TD: 2263'
PBTD: 2252'

PTA TEST PROCEDURE:
Program pressure equipment to take readings in the following schedule.

Document date and time of data acquisition start point. Fill in procedure with detailed times and dates and communicate schedule to operations group. Ensure that personnel responsible for production test are aware of the importance of meeting scheduled window of initial production and shut-in stages (Stages 2 and 4).

Constant Rate Target: **100 MCF/D**

Stage	Date	Time Windows	Flow Status	Duration	Data Pull Frequency	Samples
1			Shut In	96 hours	1/3 minutes	1920
2			Open Casing Valve	1 hour	n/a	
3			***Constant Rate***	***6 hours***	***1/30 seconds***	***720***
4			Constant Rate	36 hours	1/3 minutes	720
5			***Shut In***	***6 hours***	***1/30 seconds***	***720***
6			Shut In	18 hours	1/3 minutes	360
7			Shut In	10 days	1/6 minutes	2,400
					Total Samples:	6,840

NOTE: Stage 2 is a packer test. It is prefered to have this test occur 3 days after shut-in and at least 1 day prior to the initiation of constant rate drawdown in Stage 3.

Punctual initiation of Stages 2 and 4 inside cited time windows is critical to test success.

Compiled By: Keith Swainson
Reservoir Engineer

Approved By: D. W. Hill

Drilling Superintendent 10/17/95

Vendors:
Pressure Equipment: Basin Sales International (915) 561-8740

Engineers: Sean Woolverton (H) 326-4525 (W) 326-9837
Keith Swainson (H) 326-5989 (W) 326-9701

KAS:kas

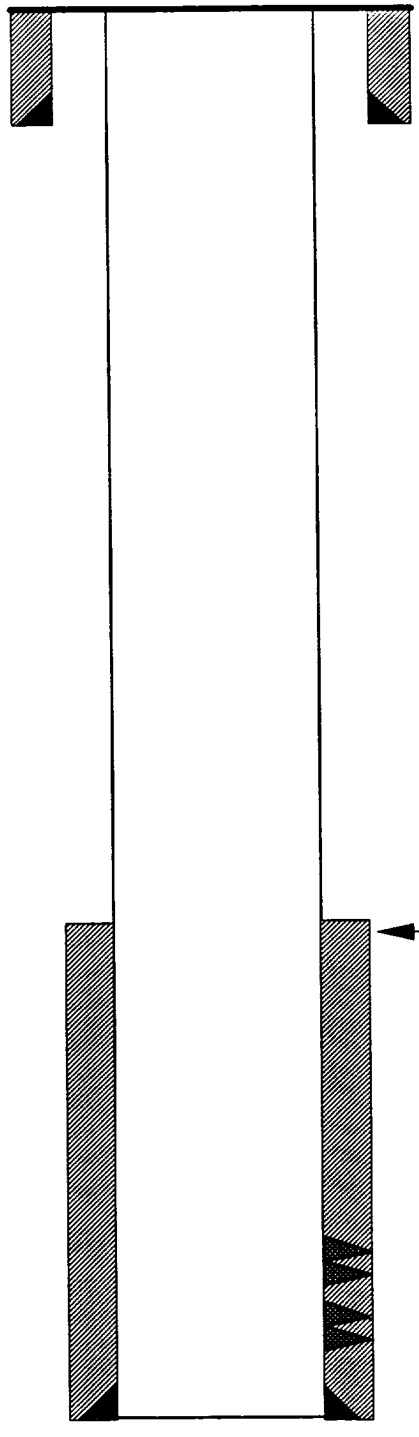
Sharp #5

AS OF 08/22/1995

Aztec Pictured Cliffs

UNIT N, SEC 18, T28N, R08W
SAN JUAN COUNTY, NM

PICTURED CLIFFS
COMPLETED 4/23/73



12-1/4" HOLE

8-5/8" 24.0# K-55 CSG SET @ 138'
CMT W/ 110 SXS
CIRC CMT TO SURFACE

7-7/8" HOLE to 2034'
6-3/4" HOLE 2034'-2263'

OJO ALAMO @ 1154'

KIRTLAND @ 1266'

FRUITLAND @ 1910'

PICTURED CLIFFS @ 2144'

TOC @ 1295' (TEMP SURVEY)

PERFS: 2144'-2172' and 2182'-2206' w/ 30 spz
Pictured Cliffs Fractured Stimulated w/ 39,250 gals
slk-wtr and 32,000 #'s 10/20 sand

2-7/8" 6.5# CSG SET @ 2263'
CMT W/ 211 SXS

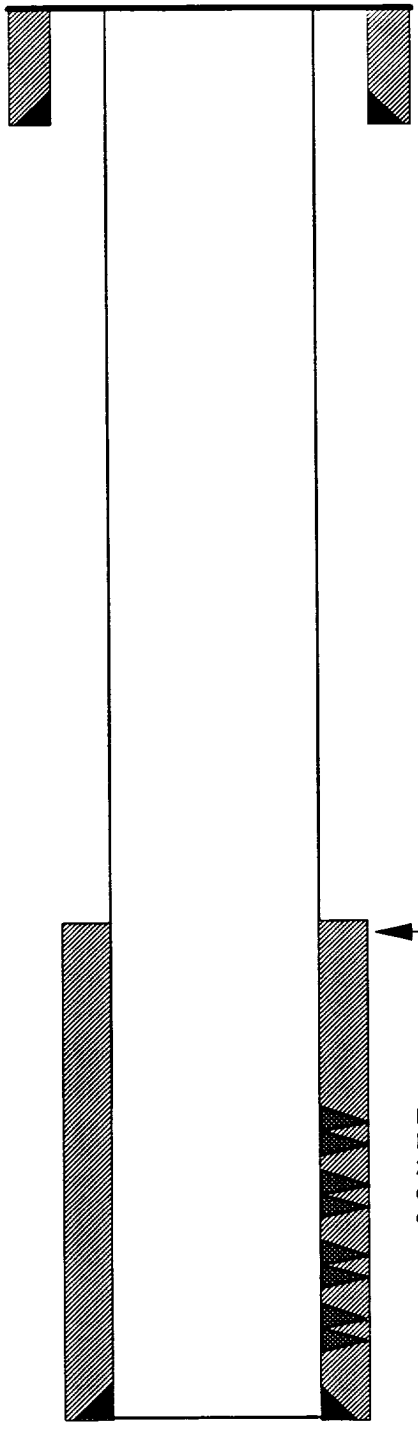
TD 2263'

Sharp #5

Proposed PC/FTC Commingle

Aztec Pictured Cliffs

UNIT N, SEC 18, T28N, R08W
SAN JUAN COUNTY, NM



12-1/4" HOLE

PICTURED CLIFFS
COMPLETED 4/23/73

8-5/8" 24.0# K-55 CSG SET @ 138'
CMT W/ 110 SXS
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7-7/8" HOLE to 2034'
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FRUITLAND @ 1910'

PICTURED CLIFFS @ 2144'

TOC @ 1295' (TEMP SURVEY)

Proposed Fruitland Coal
PERFS: 2025'-2036', 2040'-2041, 2064'-2069', 2085'-2088', and 2117'-2135' w/ 4 spf @ 60 degrees phasing. Perforated extreme overbalanced.

Pictured Cliffs
PERFS: 2144'-2172' and 2182'-2206' w/ 30 spz
Pictured Cliffs Fractured Stimulated w/ 39,250 gals slk-wtr and 32,000 #'s 10/20 sand

2-7/8" 6.5# CSG SET @ 2263'
CMT W/ 211 SXS

TD 2263'