

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAIL ROOM

Sundry Notices and Reports on Wells
55 MAY 20 PM 1:51

070 FARMINGTON, NM

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
1839' FSL, 697' FEL, Sec. 24, T-28-N, R-11-W, NMPM

5. Lease Number
SF-047017B
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Angel Peak B #45
9. API Well No.
30-045-25688
10. Field and Pool
Blanco Mesaverde/
Armenta Gallup
11. County and State
San Juan 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
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☐ Other - Temporary abandon Gallup
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. The Gallup formation will be temporarily abandoned with a CIBP.

RECEIVED
MAY 30 1996
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (KKK2) Title Regulatory Administrator Date 5/17/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____
CONDITION OF APPROVAL, if any:

Date **APPROVED**

MAY 21 1996

DISTRICT MANAGER

NMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Aramita, NM 88211-8719
District III
1000 N. H. Brass 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

Field C 7149
NSA

Form C-10
Revised February 21, 1994
Instructions on back:
Submit to Appropriate District Office.
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

55 MAY 20 PM 1:51

070 FIELD STATION, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-25668	72319/2290	Blanco Mesaverde/Armenta Gallup
Property Code	Property Name	Well Number
6788	Angel Peak B	45
GRID No.	Operator Name	Elevation
14538	MERIDIAN OIL INC.	5908'

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
I	24	23 N	11 W		1839	South	697	East	S.J.

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
E/320/40			

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

16	17 OPERATOR CERTIFICATION
Not resurveyed, prepared from a plat by Michael Daly dated 2-3-83.	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
RECEIVED MAY 30 1996 OIL CON. DIV. DIST. 3	Signature Peggy Bradfield Printed Name Regulatory Administrator Title 5-17-96 Date
24	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	5-16-96 Date of Survey
	Signature and Seal of Professional Surveyor
	NEALE C. EDWARDS NEW MEXICO 8857 8857 Certification Number

ANGEL PEAK B #45
Recommend Recompletion Procedure
NE/SE Section 24 T28N R11W
Lat. 36.645462 Long. 107.947968

1. Test rig anchors and repair if necessary. Install 8-400 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. TOOH with 5869' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad jts.
4. TIH on 2-3/8" tubing with 7" casing scraper and 6-1/4" bit. Clean out to top of liner hanger at 5154'. TOOH.
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 5154' to PBSD at 6311' with air.
6. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.
7. Set 4-1/2" CIBP at 5400' on 2-3/8" tubing. Load hole with 1% KCl water. TOOH.
8. RU wireline and run CBL/CCL/GR from 4900' to 2900' 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 casing failure. Contact Production Engineering and a casing repair procedure will be provided. Release packer and TOOH.

***** Lower Point Lookout *****

9. Perforate with 4" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.32". Perforate the following Lower Point Lookout intervals with 1 spf. Perforate from the top down using centralizers.

4486' - 4490'	(4)	4537' - 4550'	(13)
4512' - 4518'	(6)	4554' - 4560'	(6)
		4606' - 4610'	(4)

Total: 33 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 825 gal. of 15% HCl at 20 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 49 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. TOOH with tubing and packer.

ANGEL PEAK B #45
Recommend Recompletion Procedure
NE/SE Section 24 T28N R11W
Page 2

11. RU wireline. RIH with junk basket and knock off ball sealers into the 4-1/2" liner.
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.** Stimulation will be with slickwater and 66,000 lbs. of 20/40 Arizona sand with **maximum sand concentration of 2.5 ppg, a rate of 50 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Shut-in well immediately after stimulating well to keep in static condition. Release packer and TOOH.
13. TIH with notched collar on 2-3/8" tubing and clean out to CIBP at 5400' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
14. TIH with 4580' of 2-3/8" tubing with standard seating nipple and one joint with expendable check on bottom. Tag fill and do final cleanout if necessary. Land tubing string.
15. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge and gas, oil and water samples.**
16. Rig down and release rig.

Approve: _____
Team Leader

Approve: _____
Drilling Superintendent

VENDORS:

Wireline:	To Be Determined at a Later Date	
Fracturing:		
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb

Pertinent Data Sheet - Angel Peak B #45

Location: 1839' FSL & 697' FEL, Unit I, Section 24, T28N, R11W, San Juan County, New Mexico

Field: Armenta Gallup

Elevation: 5920' RKB
5908' GR

TD: 6362'
PBTD: 6311'

Completed: 8-25-83

Spud Date: 8-6-83

DP #: 32453A

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
13-1/2"	9-5/8"	36.00# K-55 ST&C	321'	330 cu. ft. (surface)
8-3/4"	7"	23.00# K-55 LT&C	5361'	1941 cu. ft. (surface, 2 Stages)
6-1/4"	4-1/2"	11.60# K-55	5154'-6360'	192 CU FT

DV Tool @ 2133'

Liner Hanger top @ 5154'

Cement:

Surface: 330 cu. ft. Class "B" w/3% CaCl₂ and 1/4# Flocele per sack.

1st stage:

825 cu. ft. of 65-35 Poz. with 12% gel, 1/4 lb. of Flocele, 12-1/4 lb. of Gilsonite, and 118 cu. ft. of class "B" with 2% CaCl₂

2nd Stage:

880 cu. ft. of 65-35 Poz. with 12% gel, 1/4 lb. of Flocele, 12-1/4 lb. of Gilsonite, and 118 cu. ft. of class "B" with 2% CaCl₂

Liner: 192 cu. ft. 50/50 Pozmix w/2% Gel, .6% FLA, 1/4 # Flocele and 10# salt per sack.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5869'

Formation Tops:

Ojo Alamo:	630'	Chacra:	2410'
Kirtland Shale:	925'	Cliffhouse:	3450'
Fruitland:	1450'	Point Lookout:	4250'
Pictured Cliffs:	1910'	Mancos:	4560'
Lewis:	2020'	Gallup:	5450'
		Greenhorn:	6210'

Logging Record: CDL-GR-CNL; IEL-GR

Stimulation: Perf Gallup: 5453'-6004' Frac w/ 203,900 gal 70Q Foam & 250,000# 20/40 Sand acidized w/ 1900 gal 15% HCL

Perf Greenhorn: 6212'-6266' Acidize w/ 1500 Gal 15% HCL

Workover History: NONE

ANGEL PEAK B #45

CURRENT

ARMENTA GALLUP

UNIT I, SEC 24, T28N, R11W, SAN JUAN COUNTY, NM

COMPLETED 8/25/83

OJO ALAMO @ 630'
KIRTLAND @ 925'

FRUITLAND @ 1450'

PICTURED CLIFFS @ 1910'

LEWIS @ 2020'

CHACRA @ 2410'

CLIFF HOUSE @ 3450'

POINT LOOKOUT @ 4250'

MANCOS @ 4560'

7" 23.0# K-55 LT&C
CSG SET @ 5361'
GALLUP @ 5450'

LINER
CMT W/192 CU FT 50/50 POZ
GREENHORN @ 6210'

9-5/8" 36.00# K-55 ST&C
CSG SET @ 321'
(330 CUFT CIRC 15 BBLS TO SURFACE)

INTERMEDIATE

1st STAGE, CMT W/825 CU FT 65/35 POZ
& 118 CU FT CLASS "B"
2nd STAGE, CMT W/880 CU FT 65/35 POZ
& 118 CU FT CLASS "B"

DV TOOL @ 2133'

2-3/8" 4.7# J-55 EUE TBG SET @ 5869'

LINER HANGER TOP SET
@ 5154'

PERF GP 5453'-6004' FRAC W/ 203,900 GAL 70Q
FOAM & 250,000# 20/40 SAND ACIDIZED GP W/
1900 GAL 15% HCL

PERF GREENHORN 6212'-6266' ACIDIZE W/ 1500
GAL 15% HCL

4-1/2" 11.6# K-55 ST&C LINER SET @ 5154'-6360'
CMT W/ 192 CU FT
CIRC 0 BBLS CMT TO SURFACE

TD 6362'
PBD
6311'

ANGEL PEAK B #45

PROPOSED
MESAVERDE

UNIT I, SEC 24, T28N, R11W, SAN JUAN COUNTY, NM

COMPLETED 8/25/83

OJO ALAMO @630'
KIRTLAND @ 925'

FRUITLAND @ 1450'

PICTURED CLIFFS @ 1910'

LEWIS @ 2020'

CHACRA @ 2410'

CLIFF HOUSE @3450'
POINT LOOKOUT @ 4250'

MANCOS @ 4560'

7" 23.00# K-55 LT&C
CSG SET @ 5361'
GALLUP @ 5450'

LINER
CMT W/192 CU FT 50/50 POZ

GREENHORN @ 6210'

9-5/8" 36.00# K-55 ST&C
CSG SET @ 321'
(330 CUFT CIRC 15 BBLS TO SURFACE)

INTERMEDIATE

1st STAGE, CMT W/825 CU FT 65/35 POZ
& 118 CU FT CLASS "B"
2nd STAGE, CMT W/880 CU FT 65/35 POZ
& 118 CU FT CLASS "B"

DV TOOL @ 2133'

2-3/8" 4.7# J-55 EUE TBG SET @ 4580'

PERF MV 4486' - 4610' FRAC W/ 68,000#
20/40 Sand and Slickwater

LINER HANGER TOP SET
@ 5154'

PERF GP 5453'-6004' FRAC W/ 203,900 GAL 70Q
FOAM & 250,000# 20/40 SAND ACIDIZED GP W/
1900 GAL 15% HCL

PERF GREENHORN 6212'-6266' ACIDIZE W/ 1500
GAL 15% HCL

4-1/2" 11.6# K-55 ST&C LINER SET @ 5154'-6360'
CMT W/ 192 CU FT
CIRC 0 BBLS CMT TO SURFACE

TD 6362'
PBTD
6311'

