

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

96 JUN 26 PM 12:59

070 FARMINGTON, NM

Lease Number
SF-077652

1. Type of Well
GAS

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

2. Name of Operator
MERIDIAN OIL

8. Well Name & Number
East #7

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. API Well No.
30-045-10814

4. Location of Well, Footage, Sec., T, R, M
790' FNL, 790' FWL, Sec.14, T-31-N, R-12-W, NMPM

10. Field and Pool
Blanco MV/Basin DK
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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well in the Mesaverde formation. The well will then be commingled with the Dakota formation. A down-hole commingling order will be applied for with the New Mexico Oil Conservation Division.

RECEIVED
JUL 03 1996

OIL CON. DIV.
DIST. 3

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

Signed [Signature] (TJM4) Title Regulatory Administrator Date 6/25/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date _____

CONDITION OF APPROVAL, if any:

P E D

1996

NMOCD

2

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

District I
PO Box 1976, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Hondo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-10814		Pool Code 72319/71599		Pool Name Blanco Mesaverde/Basin Dakota	
Property Code 18517		Property Name East			Well Number 7
OGRID No. 14538		Operator Name MERIDIAN OIL INC.			Elevation 6324'

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
D	14	31 N	12 W		790	North	790	West	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

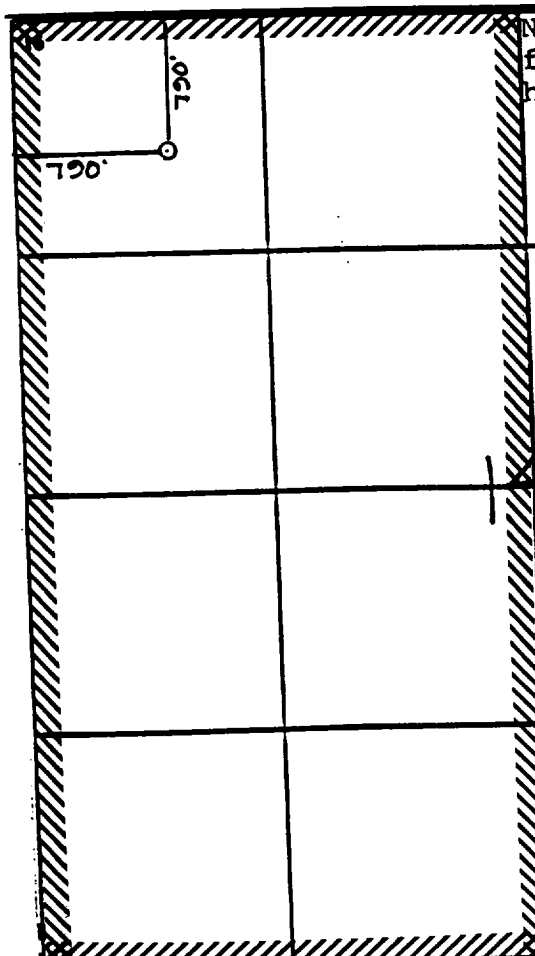
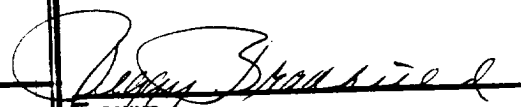
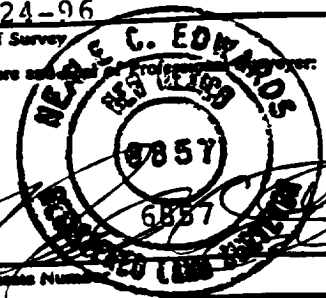
12 Dedicated Acres
280.06
W/280-W/280.06

13 Joint or Infill

14 Consolidation Code

15 Order No.

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

 <p>Not resurveyed, prepared from a plat dated 2-27-62 by John H. Vealy.</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 6-25-96 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>6-24-96 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number</p>

RECEIVED
JUL 03 1996
OIL CON. DIV.
DIST. 3

East #7(Mesaverde/Dakota)
Mesaverde Recompletion/Commingle
Section 14, T31N-R12W
San Juan County, New Mexico
Lat. 36.903656 Long 108.070923

*** COMPLETION PROCEDURE (4/26/96) ***

Basic Equipment Requirements:

4 frac tanks & 1 rig tank, 60' of 2-7/8" fracstring, 4-1/2" fullbore stimulation packer, 4-1/2" CIBP, immediate flowback manifold, 4 additional joints of 2-3/8" work string/production tbg.

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 4 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#'s of biocide and filtered (25 micron) 1% KCl water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOH w/ 2-3/8" tubing landed @ 7263'. Replace bad tubing as necessary.
3. PU a 4-1/2" 10.5# casing scraper on 2-3/8" tbg. TIH to @ 7527'. TOH.
4. TIH w/ 4-1/2" CIBP and set BP at 6200'. Load hole w/ water. TOH to 5460'. Pressure test csg to 3500#. Spot 440 gallons of 15% HCL to 4800'. TOH to 4000' and unload hole. TOH.
5. RU wireline. Run CBL/GR from 5600' to 4000'. **Send copy of log into the office so perforations can be adjusted if necessary.**
6. Perforate the Mesaverde interval using 3-1/8" csg gun w/ 12 gram shaped charges and 0.31" diameter holes, 1 SPF. **Perforations may be adjusted to the CBL.** Inspect guns to ensure all perforations fired. RD wireline.

**4866', 4945', 4990', 5030', 5047', 5056', 5078', 5088', 5156', 5165', 5190',
5202', 5211', 5231', 5237', 5246', 5260', 5269', 5287', 5313', 5350', 5375',
5386', 5405', 5428'.**

A total of 26 holes.

7. TIH with 2 joints of 2-7/8" tbg and 4-1/2" packer. Set packer @ 60 and establish injection rate into perforations with the rig pump.
8. RU WSI flowback manifold w/ a 1/8" and 1/4" positive choke. RU Stimulation Company. Pressure test manifold and stimulation lines to 4500 psi.
9. Hold safety meeting. **Max allowable surface treating pressure is 3500 psi @ 35 Bbls/min.** Pressure test surface lines to 4500 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Stimulate the Mesaverde interval @ +/- 35 BPM w/ 30# XL gel and 7000 SCF/M N2, with 20/40 Arizona and 20/40 resin coated. 1500 gals of 15% HCL acid will precede the stimulation followed by a 10 bbl slug of water. Hold and monitor 500 psi on backside. Flush w/ 1% KCL water and N2 to more accurately determine flush volume and help with sand fallout. Flush volume begins when sand concentration drops to 4-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacuum. Under flush by 20 %. Shut in well immediately after completion and flowback within 1 minute on a 1/8" to 1/4" choke until well dies. Release Stimulation Crew to the house.
10. Flow back well immediately through 1/8" positive choke to reverse gravel pack. If well is not dead after 2 hours, slowly open well wide open until pressure falls to zero. Accurately record sand volume and gel/water coming back.

11. Bleed off pressure. Release packer, TOH.
12. PU 3-7/8" bit and 2-3/8" tbg and TIH. Clean out to 6200'. Obtain pitot gauge from Mesaverde after clean up. When sand returns are acceptable, DO CIBP @ 6200' and CO to 7527'.
13. When sand volumes are acceptable obtain pitot gauge and TOH.
14. RU wireline. Run after frac log from 5500' to top of RA material + 200'.
15. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the rest of the tubing. Land tubing at approximately 7440'.
16. ND BOP's, NU WH. Pump off expendable check. Run swab to FN. Obtain final pitot. RD and MOL. Return well to production.

Approval:

Drilling Superintendent

Approval:

Northwest Basin Team Leader

Engineers -

Todd J. Mushovic
Office - (326-9584)
Home - (324-0692)

James A. Smith
Office - (326-9713)
Home - (327-3061)
Pager - (324-2420)

Mary Ellen Lutey
Office - (599-4052)
Home - (325-9387)
Pager - (324-2671)

Frac Consultants -

Mark Byars
Pager - (327-8470)
Mobile - (320-0349)
Home - (327-0096)

Mike Martinez
Pager - (599-7429)
Mobile- (860-7518)
Home - (326-4861)

VENDORS:

CASED HOLE:
STIMULATION:
MANIFOLD:

SERVICE COMPANY

Petro
Dowell
WSI

PHONE NUMBER

326-6669
325-5096
327-3402

TJM

q:\area\ar45\1996proj\east7\pro.doc

Pertinent Data Sheet

EAST #7

Location: Unit D-NW/4 NW/4, Section 14, T31N, R12W, 790' FNL, 790' FWL,
Lat. 36.903656 Long. -108.070923 by TDG
San Juan County, NM

Field: Basin Dakota
DF: 6345'

Elevation: 6336' GL
KB: 6346'

TD: 7560'
PBTD: 7527'

Spud Date: 05/02/62

Completed: 06/03/62

DP No: 15396

Prop. No: 0020261

Lease No.: SF-077652

Initial Potential: AOF: 405 MCFD
SICP: 1943#

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	8 5/8"	24# J-55	317'	230 sx	
7 7/8"	4 1/2"	9.5&11.6# J-55	7560'	250 sx	6400' (TS)
		Stage Tool @ 5446'		300 sx	3300' (TS)

2220' of 11.6#, 5330' of 9.5#

Tubing Record: 2 3/8" 4.7# J-55 tubing set @ 7263'.

Formation Tops:

Ojo Alamo:	1104'
Kirtland:	1195'
Fruitland:	2408'
Pictured Cliffs:	2833'
Cliffhouse:	4430'
Menefee:	4620'
Point Lookout:	5150'
Gallup:	6483'
Greenhorn:	7187'
Dakota:	7374'

Logging Record: Ind., TS, GR

Stimulation History: Perfed 4SPF from 7296'-7310', 7374'-7402', 7406'-7416', 7426'-7440'.
Fraced with 71,400 gallons of water with 45,000# 20/40 and 18,500 # 10/20. Dropped
30 balls. BDP=1500#. ATP=2700#, AIR=30BPM, ISIP 1100#, 5 min. SI 650#.

Workover History: 11/27/85: Pulled tubing, set packer. Replaced both casing valves. Landed same tubing.

EAST #7

AS OF 5/01/1996

BASIN DAKOTA

790' FNL, 790' FWL

SEC 14, T31N, R12W, SAN JUAN COUNTY, NM

COMPLETED 6/03/62
ELEVATION 6336' GL

12-1/4" HOLE

8-5/8" 24# J-55 CSG SET @ 317'
CMT W/230 SX

7-7/8" HOLE

OJO ALAMO @ 1104'
KIRTLAND @ 1195'

2-3/8" 4.7# J-55 TBG SET @ 7263'

FRUITLAND @ 2408'

PICTURED CLIFFS @ 2833'

TOC @ 3300' (TS)

CLIFFHOUSE @ 4430'
MENELEE @ 4620'
POINT LOOKOUT 5150'

STAGE COLLAR @ 5446'
CMT W/300 SX

TOC @ 6400' (TS)

GALLUP @ 6483'

GREENHORN @ 7187'

DAKOTA @ 7374'

PERF 7296'-7310', 7374'-7402', 7406'-7416', 7626'-7440'
FRAC W/45,000# SAND 20/40 SAND, 18,500# 10/20
SAND, & 71,400 GALS WATER

4-1/2" 9.5# & 11.6# J-55 CSG SET @ 7560'
CMT W/250 SX

TD 7560'
PBTD 7527'