

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Summary Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator <b>MERIDIAN OIL</b></p> <hr/> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 990'FSL, 790'FEL, Sec.27, T-27-N, R-11-W, NMPM</p>	<p>5. Lease Number SF-078092</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name &amp; Number Douthit A Fed Com #7</p> <p>9. API Well No. 30-045-25167</p> <p>10. Field and Pool Gallegos Fruitland Sand</p> <p>11. County and State San Juan 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"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plugback the Pictured Cliffs formation and recomplete the Fruitland Sand formation according to the attached procedure and wellbore diagram. The subject well had previously been scheduled for plug-and abandonment.

RECEIVED  
FEB - 8 1995

OFF. GEN. DIV.  
DNL 3

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

Signed [Signature] (PMP) Title Regulatory Affairs Date 1/23/95

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

NMOCD

APPROVED  
FEB 01 1995  
DISTRICT MANAGER

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

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25167		Pool Code 77310	Pool Name Gallegos Fruitland Sand
Property Code 6958	Property Name DOUTHIT A FEDERAL COM		Well Number 7
GRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 6396'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	27-N	11-W		990	SOUTH	790	EAST	S.J.

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> *Not resurveyed, prepared from a plat by James P. Leese. Dated February 24, 1981.		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
		Signature: <u>Peggy Bradford</u> Printed Name: <u>Peggy Bradford</u> Title: <u>Regulatory Affairs</u> Date: <u>1-25-95</u>
		<sup>18</sup> 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.
		Date of Survey: _____ Signature and Seal of Professional Surveyor: Certificate Number: _____

FRUITLAND SAND TEST  
Douthitt A Federal Com #7 PC  
P 27 27 11  
Lat-Long: 36.541641 - 107.984207  
San Juan County, N.M.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and MOI regulations.
2. MOL & RU completion rig. Conduct safety meeting for all personnel on location. NU relief line Blow down well and kill with water as necessary. ND wellhead & NU BOP. Test BOP.
3. TOH w/ 1-1/4" 2.4# EUE tbg (63 Jts) @ 1991', w/seating nipple 1 jt off bottom & lay down. Open bradenhead valve. Establish rate down csg w/20 bbls water, record pump rate & pressure. Monitor bradenhead for flow or pressure. Run gauge ring to 1931'. Run 2-7/8" cmt ret on new 1-1/4" 2.33# IJ tbg & set @ 1931'. Establish rate and sq PC perms w/4 sx cmt. Sting out of cmt ret & reverse out cmt. TOH. Isolate wellhead & pressure test 2-7/8" csg to 2500 psi for 15 min & record on hard copy.
4. MI Schlum. Wireline. Run pulsed neutron log 1930' to 1670' w/3 passes & correlate to open hole induction log. Hot shot log to Production Engineering.
5. If well fails pressure test or if log looks poor across prospective Fruitland Sand 1726'-38', continue w/plugging operations. If pressure test passes & log looks good, go to step #8 to open & test Fruitland Sand.

PLUGGING ALTERNATIVE:

6. TIH w/1-1/4" tbg to 1960'. Circ cmt to surface (in stages) - 54 sx cmt. Shut in well, & WCC.
7. ND BOP & cut off wellhead below surface csg flange. Install P&A marker to comply w/BLM specs. RD, MOL, cut off anchors, & restore location.

FRUITLAND SAND RECOMPLETION:

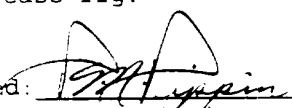
8. Spot and fill 5 - 400 bbl. frac tanks with 1% KCL water. Filter all water to 25 microns. Four tanks are for frac & one tank for breakdown water. Usable water required for frac is 1190 bbls.
9. TIH w/1-1/4" tbg to 1740' & spot 50 gal 7-1/2% acedic acid. TOH.

10. Perf Fruitland Sand w/4 spf @ 1726'-38'. Total 48 holes. Perf w/ 1-11/16" Strip gun w/8 gr Hyper-caps which make a 0.31" hole & have 9.9" penetration in Berea. If strip gun is lost in hole, run sinker bar to make sure gun is below perfs. TIH w/1-1/4", if necessary, to push gun below perfs.
11. Isolate wellhead. Establish rate into FRTS perfs down 2-7/8" csg immediately switching to 15% HCL acid and the following frac schedule. Frac w/50,000 gal slick water & 30,000# Arizona sand at 25 BPM. Max. pressure is 2500 psi and estimated treating pressure is 2210 psi. Treat per the following schedule:

Stage	Gel Vol. <u>Gals.</u>	Sand Vol. <u>(lbs.)</u>
Acid 15% HCL	1,000	----
Pad	10,000	----
0.5 ppg	20,000	10,000
1.0 ppg	20,000	20,000
Flush	<u>4131</u>	<u>          </u>
Totals	50,000	30,000#

Treat frac fluid with the following additives per 1000 gallons:

- \* 2.0 gal. SSO-21 (Surfactant)
  - \* 1.0 gal. FR-2 (Friction Reducer)
  - \* 0.38 gal. BE-6 (Bacteriacide)
12. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed
13. When well stops flowing, TIH w/notched collar on 1-1/4" tbg & C.O. w/air/mist to 1800'. Take pitot gauges when possible. TCH.
14. TIH with 1-1/4" production tbg with standard seating nipple one jt off bottom & again blow well clean. When well is clean, land 1-1/4" tbg @ 1700'. Take final pitot gauges, water & oil samples, and gas samples.
15. ND BCP and NU wellhead. Replace any bad valves on wellhead. Rig down & release rig.

Recommended:   
P.M. Pippin

Approved:   
Pat Bent

VENDORS:

Wireline	Schlum.	325-5006
Frac	Howco	325-3575
Wellhead	WSI	327-3402

## PERTINENT DATA SHEET

<b>WELLNAME:</b> Douthit "A" Federal Com #7	<b>DP NUMBER:</b> 17515A <b>PROP. NUMBER:</b> 071183600																																
<b>WELL TYPE:</b> W Kutz Pictured Cliffs	<b>ELEVATION:</b> GL: 6396' KB: 6409'																																
<b>LOCATION:</b> 990' FSL 790' FEL SE Sec. 27, T27N, R11W San Juan County, New Mexico	<b>INITIAL POTENTIAL:</b> AOF N/A  <b>SICP:</b> April, 1984 289 PSIG																																
<b>OWNERSHIP:</b> <b>GWI:</b> 50.0000% <b>NRI:</b> 43.2500%	<b>DRILLING:</b> <b>SPUD DATE:</b> 10-10-81 <b>COMPLETED:</b> 11-23-81 <b>TOTAL DEPTH:</b> 2100' <b>PBTD:</b> 2069' <b>COTD:</b> 2069'																																
<b>CASING RECORD:</b> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>HOLE SIZE</u></th> <th style="text-align: left;"><u>SIZE</u></th> <th style="text-align: left;"><u>WEIGHT</u></th> <th style="text-align: left;"><u>GRADE</u></th> <th style="text-align: left;"><u>DEPTH</u></th> <th style="text-align: left;"><u>EQUIP.</u></th> <th style="text-align: left;"><u>CEMENT</u></th> <th style="text-align: left;"><u>TOC</u></th> </tr> </thead> <tbody> <tr> <td>9-7/8"</td> <td>7"</td> <td>23.0#</td> <td>J-55</td> <td>114'</td> <td></td> <td>50 sx</td> <td>surf</td> </tr> <tr> <td>6-1/4"</td> <td>2-7/8" EUE</td> <td>6.5#</td> <td>J-55</td> <td>2100'</td> <td></td> <td>525 sx</td> <td>surf</td> </tr> <tr> <td>Tubing</td> <td>1-1/4"</td> <td>2.4#</td> <td>J-55</td> <td>1991'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">Ran 1 jt 1-1/4" Seating Nipple. 62 lbs 1-1/4" 2.4# J-55 tbq set at 1991'</p>		<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>	9-7/8"	7"	23.0#	J-55	114'		50 sx	surf	6-1/4"	2-7/8" EUE	6.5#	J-55	2100'		525 sx	surf	Tubing	1-1/4"	2.4#	J-55	1991'			
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<b>STIMULATION:</b> Frac w/27,000 gal., 75% quality foam pad, 2400 gal. 15% NEFE HCL, 30,000# 10/20 sand and (26) 7/8" RCNB's. ISIP 1200#, air 15 BPM, avg. pressure 2000#.																																	
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