

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

95 MAY 10 AM 7:33

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
1560' FSL, 1850' FEL, Sec. 24, T-30-N, R-11-W, NMPM

5. Lease Number
SF-078171

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Aztec Federal #1

9. API Well No.
30-045-09319

10. Field and Pool
Basin Dakota

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 -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to repair the casing in the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAY 17 1995

OIL CON. DIST. 8

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

Signed [Signature] (LWD2) Title Regulatory Affairs Date 5/9/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

NMOCD

MAY 11 1995

DISTRICT MANAGER

WORKOVER PROCEDURE -- CASING REPAIR

Aztec Federal #1
Dakota - DP # 3744
SE/4 Sec. 24, T30N, R11W
San Juan Co., New Mexico

1. Comply to all NMOC, BLM, and MOI regulations. Conduct safety meeting for all personnel on location.
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 2% KCl water.
3. Blow down tubing (218 jts. of 2 3/8", 4.7#, J55 set at 7212') to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection.
4. PU on 2 3/8" production tubing and release Baker Model R Double Grip Packer @ 6517' and strap out of hole. Visually inspect production tubing on trip out, and replace all bad joints of pipe. Note any buildup of scale, and notify Operations Engineer. LD packer and send to Baker for re-dress.
5. PU 3 7/8" bit, casing scraper (4 1/2", 11.6 ppf) to PBTD of 7253'. PU 4 1/2" RBP and 4 1/2" retrievable packer and TIH. Set RBP @ 6900'. Pressure test RBP and casing to 1000 psig. Spot 1 sx of sand on top of RBP. Isolate casing failure. Set packer 200' above casing failure. (Contact Operations Engineer for design of squeeze cement.)
6. Establish injection rate into casing failure. Mix and pump cement. Squeeze cement into casing failure. (Maximum squeeze pressure 1000 psi.) Hold squeeze pressure and WOC 12 hours (overnight).
7. Release packer and POOH. TIH with 3 7/8" bit and drill out cement. Pressure test casing to 1000 psig. Re-squeeze as necessary to hold pressure.
8. TIH with retrieving tool and retrieve RBP. POOH and LD RBP. TIH with 3 7/8" bit and clean out to PBTD (7253') with air. Blow well clean and gauge production. POOH.
9. TIH with production tubing (seating nipple with pump-out plug one joint off bottom). Do not re-run packer. Land tubing at 7245'.
10. ND BOP's, NU wellhead, and pump plug from tubing. Obtain final gauge. Release rig.

Recommend:

Operations Engineer

Approve:

W.S. [Signature]
Drilling Superintendent

Contacts:	Cement	Halliburton	325-3575
	Wireline	Schlumberger	325-5006
	Operations Engineer	Larry Dillon	326-9714

PERTINENT DATA SHEET

4/6/95

WELLNAME: Aztec Federal #1				DP NUMBER: 3744 PROP. NUMBER: 0023255			
WELL TYPE: Basin Dakota				ELEVATION: GL: 6170' KB: 6182'			
LOCATION: 1560' FSL, 1850' FEL Sec. 24, T-30-N, R-11-W San Juan County, New Mexico				INITIAL POTENTIAL: 8 622 AOF 10/28/64 INITIAL SICP: 2,247 psig 10/28/64 CURRENT SICP: 370 psig 4/29/92			
OWNERSHIP: GWI: 34.3750% NRI: 26.5312% SJBT: 18.7500%				DRILLING: SPUD DATE: 8/16/64 COMPLETED: 10/18/64 TOTAL DEPTH: 7268' COTD: 7253			
CASING RECORD:							
<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>
12 1/4"	8 5/8"	24#		307'		175 sx	Circ to surf.
7 7/8"	4 1/2"	10.5# / 11.6#		7268'	DV @ 2745' DV @ 5055'	625 sx 200 sx 250 sx	Circ to surf. Calc. 3916' Calc. 6009'
Tubing	2 3/8"	4.7#	J55	7212'	Baker Model "R" Packer set @ 6517' 218 Jts., 8		
FORMATION TOPS:							
	Ojo Alamo				Manccs	5150'	
	Kirtland				Gallup	6180'	
	Fruitland				Greenhorn	6915'	
	Pictured Cliffs		2623'		Graneros Shale	6970'	
	Lewis		2730'		Graneros Sand	7029	
	Cliffhouse		4295'		Dakota A	7105'	
	Point Lookout		4935'		Dakota B	7165'	
LOGGING: Corr. Log, Ind. Elec. & GR Density							
PERFORATIONS							
	A.	7033'-7041' w/ 4 SPF					
	B.	7112'-7128' w/ 2 SPF					
	C.	7234'-7242, 7248'-7252 w/ 2 SPF					
STIMULATION:							
	A.	10,000# 40/60 sand, 14,000# 20/40 sand, 44,100 gal. water.					
	B.	40,000# 20/40 sand & 47,360 gal. water and 36,000					
	C.	10,000# 40/60 sand, 10,000 20/40 sand, 30,380 gal. gel water.					
WORKOVER HISTORY:							
	Feb-79	Locate casing failure from 5055' -- 6107'. Squeeze w/ 500 sx cmt. Test casing to 2000 psi -- OK.					
	Aug-84	Repair bradenhead (no other information available)					
	Feb-95	Repair tbg. leak. Run model "R" packer, set @ 6517'. Land 2 3/8" tbg. @ 7212'.					
PRODUCTION HISTORY:							
	<u>Gas</u>	<u>Oil</u>	DATE OF LAST PRODUCTION:			<u>Gas</u>	<u>Oil</u>
Cumulative as of 1995:	6.4 Bcf	24.2 Mbo	1- 95			6.5 MMcf	9 bo
Current as of 1-95:	6.5 MMcf	9 bo					
PIPELINE: EPNG							

Aztec Federal # 1

CURRENT - 3/23/95

Basin Dakota
DPNO: 3744

1560' FSL, 1840' FEL,
Section 24, T-30-N, R-11-W
San Juan County, NM

RECEIVED
BLM

95 MAY 10 AM 7:33

070 FARMINGTON, NM

Spud: 08-16-64

Completed: 10-18-64

Pictured Cliffs @ 2623'

Lewis @ 2730'

Cliff House @ 4295'

Point Lookout @ 4935'

Mancos @ 5150'

Gallup @ 6180'

Greenhorn @ 6915'

Graneros Shale @ 6970'

Graneros Sand @ 7029'

Dakota A @ 7105'

Dakota B @ 7165'

8-5/8" 24# J55 Csg set @ 307'
circ. 175 sx cmt. to surface.

**REPAIRED BRADENHEAD FLOW
8/84. NO PERFORATING DEPTH
OR CEMENT VOLUME AVAILABLE.**

Stage 3 - 625 sx cmt.
Circ. to surface

DV Tool @ 2745'

TOC @ 3916' (Calc. 75% effc.)
Stage 2 - 200 sx cmt.

Squeeze 5055' -- 6107' w/500 sx. cmt. - 02/79

DV Tool @ 5055'

Model "R" packer set @ 6517'

TOC @ 6009' (Calc. 75% effc.)
Stage 1 - 250 sx cmt.

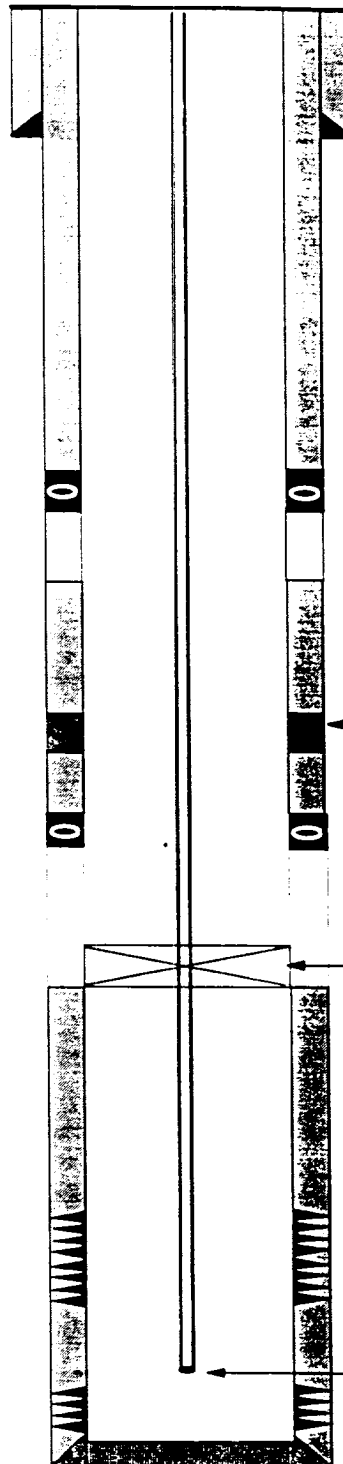
Perfs @ 7033'-41' w/ 4 JPF.

Perfs @ 7112'-28' w/ 2 JPF

2 3/8", 4.7#, J55 Tubing set @ 7212'

Perfs @ 7234'-42', 7248'-52' w/ 2 JPF

4 1/2", 10.5# / 11.6# Csg. set @ 7268'



PBTD 7253'

TD 7268'