submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM
95 MAY 10 AM 7:32
070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-047017A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Angel Peak #18

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

9. **API Well No.**
30-045-07556

4. **Location of Well, Footage, Sec., T, R, M**
990'FSL, 990'FWL, Sec.12, T-28-N, R-11-W, NMPM

10. **Field and Pool**
Fulcher Kutz Pict.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
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	_X_ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	___ Other -	

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. DIV.
DIST. 3

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 **APPROVED**
CONDITION OF APPROVAL, if any:

MAY 11 1995
DISTRICT MANAGER

NMOCD

WORKOVER PROCEDURE - CASING REPAIR

Angel Peak #18
Fulcher Kutz Pictured Cliffs
SW/4 Sec. 12, T28N, R11W
San Juan Co., New Mexico
DPNO 32132A

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings 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 1% KCl water.

3. Blow down production tubing (91 jts of 1", tubing set at 1871') to atmospheric tank. Control well with 1% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOPs. Send wellhead to A-1 Machine or WSI for inspection.

4. PU on tubing and POOH. LD 1" tubing. Visually inspect tubing, and replace joints that are in bad condition. (Note any buildup of scale, and notify Operations Engineer.)

5. PU 2 7/8" bit, casing scraper (3 1/2", 9.2 ppf), 1 1/4" drillpipe, and CO to PBTD of 1942'. (Optimum torque on 1 1/4" Homco Slimline drillpipe is 650 ft-lb.) PU 3 1/2" RBP and 3 1/2" retrievable packer and TIH. Set RBP @ 1700'. Pressure test RBP and 3 1/2" casing to 1000 psig. Spot one sack of sand on top of RBP.

6. Isolate casing failure. Establish circulation to surface through 3 1/2" by 5 1/2" annulus, and circulate clean. (Estimated TOC in 3 1/2" by 5 1/2" annulus is 580' per temperature survey. Contact Operations Engineer for design of squeeze cement.)

7. Mix and pump cement down 3 1/2" casing. Circulate cement to surface in 3 1/2" by 5 1/2' annulus. Close intermediate valve and squeeze into casing failure. (Maximum squeeze pressure 1000 psi). Hold squeeze pressure and WOC 12 hours (overnite).

8. TIH with 2 7/8" bit and drill out cement. Pressure test casing to 1000 psig.

9. RU wireline unit. Run CBL (with 1000 psig) to determine TOC behind 5 1/2" casing. (Estimated TOC is 1200' per volume calculation with 75% efficiency.) Perforate 3 holes through 3 1/2" and 5 1/2" casing 50' above TOC.

10. Establish circulation through bradenhead valve, and circulate clean. Contact Operations Engineer for design of squeeze cement.

11. Mix and pump cement down 3 1/2" casing. Circulate cement to surface through bradenhead valve. Close bradenhead valve and squeeze into perforations. (Maximum squeeze pressure 1000 psi). Hold squeeze pressure and WOC 12 hours (overnite).

12. TIH with 2 7/8" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure.

13. TIH with retrieving tool and retrieve RBP from 3 1/2" casing. POOH and LD 3 1/2" RBP.

14. TIH with 2 7/8" bit and CO to PBTD (1942') with air. Blow well clean and gauge production. POOH.

15. TIH with production tubing (seating nipple with pump-out plug located one joint off bottom). Land tubing at 1915'.

16. ND BOP's and NU wellhead. Pump plug from tubing. Obtain final gauge.

17. Release rig.

Recommend: _____
Operations Engineer

Approve: _____
Drilling Superintendent

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

PERTINENT DATA SHEET

4/6/95

WELLNAME:	Angel Peak #18	**DP NUMBER:**	32132A
		PROP. NUMBER:	071242700
WELL TYPE:	Fulcher Kutz Pictured Cliffs	**ELEVATION:**	GL: 5760'
			KB:
LOCATION:	990' FSL, 990 FWL Sec. 12, T28N, R11W San Juan County, New Mexico	**INITIAL POTENTIAL:**	1,070 Mcf/d
		INITIAL SICP:	304 psig 11/18/53
		CURRENT SICP:	182 psig 5/24/83
OWNERSHIP:	GWI: 100.0000% NRI: 86.6048% SJBT: 0.0000%	**DRILLING:**	SPUD DATE: 10/13/53 COMPLETED: 10/30/53 TOTAL DEPTH: 1974' PBTD: 1942'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
12 1/4"	8 5/8"	24#	H40	134'		100 sx	Circ to surf.
7 7/8"	5 1/2"	15.5#	H40	1844'		125 sx	Est. 1204'
4 3/4"	3 1/2"	9.2#	J55	1974'	Tbg. ran as csg.	250 cf	(TS) 580'
Tubing	1"			1871'	91 Jts.		

FORMATION TOPS:

Ojo Alamo	816'	Cliff House	
Kirtland		Menefee	
Fruitland		Point Lookout	
Pictured Cliffs	1842'	Mesa Verde	
Lewis		Gallup	
Huerfanito Bentonite		Graneros	
Chacra		Dakota	

LOGGING: IEL, GR Corr. Log.

PERFORATIONS 8/64: 1 SPF: 1850'-1862', 1865'-1869', 1877'-1885', 1888'-1897', 1900'-1916'.

STIMULATION:

Oct-53	Shot w/205 qts of nito from 1930' -- 1847'
Mar-55	Frac w/10,400 gal. oil & 12,100# sand
Aug-64	Frac w/20,000# 20/40 sand, 40,000# 10/20 sand, 37,000 gal. water & 18 tons CO_2

WORKOVER HISTORY:

Mar-55	Pull 1" tubing. Sand oil fraced open hole from 1790' -- 1885' w/10,400 gal. oil and 12,100# sand. Ran 1 1/2" tubing and landed @ 1804'.
Aug-64	Pull 1 1/2" tubing. Ran casing corrosion survey on 5 1/2" casing. Casing corroded from surface to 600'. Clean out to 1974'. Ran 63 jts. 3 1/2" tubing as casing and landed @ 1974'. Cemented with 250 cf. TOC @ 580' per TS. Cleaned out to PBTD, 1942'. Perfed and fraced. Ran 91 jts. 1" tubing and landed @ 1871'.

PRODUCTION HISTORY:

	Gas	Oil
Cumulative as of 1995:	1.0 Bcf	8 bo
Current:	0 Mcf	0 bo

DATE OF LAST PRODUCTION:

	Gas	Oil
9- 94	1 Mcf	0 bo

PIPELINE: UTP

Angel Peak # 18

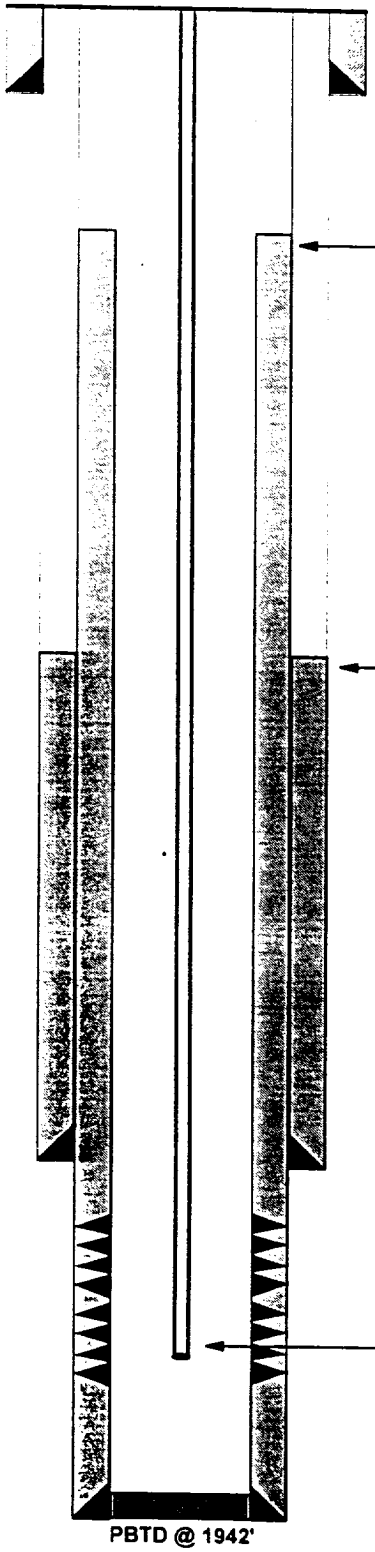
Current -- 3/30/95

DPNO: 32132A
Fulcher Kutz Pictured Cliffs

990' FSL, 990' FWL
Sec. 12, T28N, R11W, San Juan Co., NM

Spud: 10/13/53

Completed : 10/30/53



8 5/8", 24#, H40 csg. set @ 123'.
Cmt. 100 sx to surface.

Top of Cement @ 580' (TS)

Ojo Alamo @ 816'

Top of Cement @ 1204' (Est. 75% effic.)

Pictured Cliffs @ 1842'

5-1/2",15.5#, H-40 Csg set @ 1844'
Cmt. w/125 sx cmt to 1204' (Est.)

Perfs @ 1850'-1862', 1865'-1869',
1877'-1885', 1888'-1897', 1900'-1916'.

1" Tubing set @ 1871'.

3-1/2", 9.2#, J-55 Csg. set @ 1974'.
Cmt w/125 sxs. to 580' (TS)

PBTD @ 1942'
TD @ 1974'