submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078050

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

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Hughes #10

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

9. **API Well No.**
30-045-06763

4. **Location of Well, Footage, Sec., T, R, M**
750'FSL, 2320'FWL, Sec.3, T-27-N, R-9-W, NMPM

10. **Field and Pool**
Blanco Mesaverde

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	_X_ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Sidetrack	

13. **Describe Proposed or Completed Operations**

It is intended to plug back and sidetrack the subject well according to the attached procedure. The well will then be completed according to the sundry notice submitted 8-16-95 and approved 8-23-95.

RECEIVED
JAN 16 1996
OIL CON. DIV.
DIST. 3

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

Signed _____ (PMP1) Title Regulatory Administrator Date 1/4/96

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

APPROVED
JAN 09 1996
DISTRICT MANAGER

NMOCD

Plug Back Procedure

1. Move rig on location - rig up.

2. Pull top section of wellhead - Rig up 7-1/16" (3M psi) BOP's. Pressure test BOP stack to 200 psi For 10 minutes and 1500 psi for 30 minutes using pipe rams, pup joint and tubing hanger. **Maximum allowable pressure = 1500 psi.**

3. TOOH w/ 4784' of 2-3/8" tbg, if tubing is stuck, then jet cut tubing as deep as possible and TOOH. Inspect tubing for any unusable joints. Lay down any unusable joints on float and call for workstring if needed.

4. TIH w/ tubing (inspect all pins and boxes for wear) w/ 5-1/2" casing scraper to 4589'. TOOH. TIH w/ 5-1/2" cement retainer. Set @ 4579'. Test tubing to 2000 PSI for 15 min. Sting out of cement retainer, establish fresh water circulation, and blow any drip circulated to surface in the flare pit. Test casing to 1000 psi for 15 min. Sting back into retainer. **NOTE: Perforations from 4629' to 4712', 83 total feet of perforations.**

5. Squeeze cement below cement retainer into perforated section as below to 1500 psi:

Existing MV perfs squeeze cement job (Perfs : 4629'-4712', 83 total feet)			
Cement:	Class B w/ 2% CaCl2	Capacity of 5-1/2", 15.50# csg:	0.1336 cu. ft/ ft
Sacks:	51 sacks		
Volume:	60 cu. ft.		
Density:	15.6 ppg	Excess Cement:	100 %
Yield:	1.18 cu ft/sk	Calculated Hole Volume:	29.93 cu. ft.
Mix Water:	5.2 gal/sk	Total Volume Pumped:	59.85 cu. ft.

6. Sting out of cmt retainer. Leave 1 bbl of cmt above retainer. Reverse at least 1 hole volume to pit.

7. Run CBL/CCL/GR to surface under 1000 psi (if possible). Locate TOC (5100' w/ Temp. Survey). Send a copy of each log to MOI immediately.

8. **Ensure good cement bond at whipstock location - approximately 3800'** If not, perforate squeeze holes at TOC and attempt to establish an injection rate. Mix and squeeze Class B cement w/ 2% CaCl2 as necessary under a 5-1/2" cement retainer.

9. If casing did not pressure test, TIH w/ 5-1/2" packer and locate casing failure. Squeeze leaks as necessary w/ Class B cement w/ 2% CaCl2. Also, squeeze necessary cement to cover the Ojo Alamo located @ 1403'.

10. TOOH. Lay down tubing on float and send to FIS yard for inspection and complete field transfer ticket. Lay down any used work string on float and send to MOI District Tools yard.

11. Secure well and pull tubing head. Rig down, and move off location. Call A-1 Wellhead Service, immediately, install 5-1/2" X 3-1/2" casing spool. Pressure test seals to 1500 psi. **Make sure well is loaded with water before moving off location.**

Sidetrack Procedure - Note: sidetrack out of 5-1/2" casing.

1. Move drilling/completion rig on location - rig up.

2. Rig up 7-1/16" (5M psi) BOP's. Pressure test BOP stack to 200 psi for 10 minutes and 2500 psi for 30 minutes using pipe rams, pup joint and tubing hanger. **Maximum allowable pressure = 2500 psi.**

3. Read A-Plus well file and note all squeeze work. If squeeze work was performed, drill out cement with 4-3/4" bit, 14 drill collars, and 2-7/8" drill pipe. If the squeeze work is performed under a cement retainer, add 2 junk baskets on top of bit to catch metal cuttings. Test casing and each squeeze to to 1000 psi for 15 min. Resqueeze if necessary w/ Class B cement w/ 2% CaCl2.
Do not drill out any squeezes below 3800'. Tag CIBP set @ 3800'. Circulated hole clean. TOOH. Circulate hole clean. Rerun CBL if squeeze was performed at whipstock location. Re-squeeze if necessary off CBL if necessary w/ Class B cement w/ 2% CaCl2.

4. TIH w/ 5-1/2" whipstock on 2-7/8" drill pipe. Set whipstock on 5-1/2" CIBP set at 3800'.
Mill window in 5-1/2" casing. The window cutting operation will be turnkeyed - providing whipstock. starting mill, window mill, watermelon mill, and ditch magnets as required. Mill window using gas-mist (approximately 1400-1800 cfm, w/ 10-15 bph mist).

5. Once window is dressed off, circulate hole until metal cuttings are removed from the system. Unload hole with gas and dry up wellbofe.

6. TIH with Drilling Assembly w/ near bit reamer and 4-3/4" bit. Take deviation survey after drilling 60' (should be between between 5 - 8 degrees). Drop reamer if angle is sufficient, if not drill another 30' and re-survey.

Drilling Assembly
4-3/4" insert button bit
(14) 2-7/8" drill collars
2-7/8" drill pipe to surface
10 - 12K WOB, 50 - 55 RPM
20 - 25K WOB, 30 RPM for Kick-Off

Gas - Air / Mist Rates	
Medium:	Gas
Rate:	1500 cfm
Mist:	10 - 15 bbls/hr
Foamer:	10 - 15 bbls/hr

8. Drill to TD (5100') Drill an extra 100' if mist drilling was required for OH logs.
Gauge well at designated depths per geologist. Circulate wellbore clean at TD and TOOH.

9. Run open hole logs per Geologist (up front). Send copy to MOI immediately.
After logging, Trip in hole with 4-3/4" bit to clean out. Circulate wellbore clean with gas.
TOOH. Lay down drillpipe and drill collars.

10. Change pipe rams to 3-1/2", install 3-1/2" stripper rubber. Run casing and Omega plugs as specified below. Break circulation on last joint in hole with gas and wash to bottom, (If mist drilled, tag bottom, pickup 5' then circulate clean). Circulate well until returns are clean.
Notify BLM of cementing.

11. **Re-calculate all cement volumes - Check all volumes on location with service company.**
Hold a safety meeting with all personnel on location in attendance. Monitor returns continuously.

12. Precede cement w/ 20 bbls gel water (2 sxs gel) - followed by 20 bbls fresh water. Mix and pump cement at 4 - 6 BPM. Cement 3-1/2" longstring as follows. Estimated TOC will always be 200' inside 5-1/2" casing for sufficient overlap. Drop 2 wiper balls & Omega latching plug. Displace with 100 gallons of 7-1/2% HCl followed by 1% KCl water. Maximum displacement pressure = 1000 psi over circulating pressure but not to exceed 2500 psi. Bump plug to 500 psi over maximum displacement pressure, not to exceed 2500 psi. Check plug. All volumes for cement job and displacement listed below:
Note: Do not shut down to wash pumps and lines on displacement in a gas drilled hole.

Lead				
Cement:	50/50 Class B Pozmix w/ 0.3% Halad-344, 1/4 pps Cellophane.			
Sacks:	70	sacks		
Volume:	92	cu ft		
Density:	13.5	ppg		
Yield:	1.31	cu ft/sk		
Mix Water:	5.84	gal/sk		
Tail - No Tail				
Cement:	N/A		Cap. between 3-1/2" csg & 4-3/4" hole:	0.0562 cu.ft/ft
Sacks:		sacks	Capacity of 3-1/2", 9.30# csg:	0.00871 bbls/ft
Volume:		cu ft		
Density:		ppg	Excess Cement:	80 %
Yield:		cu ft/sk	Calculated Hole Volume:	76 cu. ft.
Mix Water:		gal/sk	Total Volume Pumped:	137 cu. ft.
Displacement:	44	bbls of fresh water.		

13. Set minimum of 50,000# on slips and cut off casing. WOC 24 hrs prior to perforating. Production engineering will provide completion procedure after open hole log evaluation.

Casing Program

Hole Size	Casing Size	Weight	Grade	Threads	Interval
4-3/4"	3-1/2"	9.20#	J-55	STC	5100' to surface - longstring

3-1/2", 9.20#, J-55 NUE tubing w/ Omega type latching collar.

Float Equipment

Production Longstring

2"	Tubing sub with notched collar
3-1/2"	Omega type latching collar
3-1/2"	9.20# J-55 NUE tubing
3-1/2"	15' marker joint placed @ 3887'. 100 feet above Upper Cliffhouse

HUGHES #10 MV

UNIT N SECTION 3 T27N R9W
SAN JUAN COUNTY, NEW MEXICO