

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1. Type of Well GAS	5. Lease Number SF-077111
2. Name of Operator Meridian Oil Inc.	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec., T, R, M 1050' FNL, 1150' FEL Sec.26, T-28-N, R-9-W, NMPM	8. Well Name & Number Lackey #5
	9. API Well No.
	10. Field and Pool S.Blanco PC
	11. County and State San Juan Co, NM

Type of Submission

x Notice of Intent

Subsequent Report

Final Abandonment

Type of Action

Abandonment

Recompletion

Plugging Back

x Casing Repair

Altering Casing

Other -

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut off

Conversion to Injection

The subject well has a suspected casing leak due to bradenhead pressure and gas flow. Meridian will evaluate the integrity of the casing by means of pressure testing and determine whether to repair or plug and abandon. The well will be repaired or plugged per the attached schematic and procedure.

RECEIVED
MAY 14 1992
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
92 MAY -7 AM 10:06
19 FARMINGTON, N.M.

Signed Jerry D. Dabbs (DB) Title Regulatory Affairs Date 5-6-92

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
Date 5-6-92

MAY 12 1992

AREA MANAGER

Lackey #5
Casing Repair / P&A Procedure

Cement Specifications:

* - Class "B" with 2% CaCl₂ added in mix water (15.6 ppg, 1.18 ft³/sk, 5.20 gal/sk) for all squeeze work or plugs for P&A.

Volumes: Casing repair, as needed, 250 sx / 295.0 ft³ estimated.
P&A, 175 sx / 208 ft³ with 25% excess to procedure.

SUMMARY:

The well will be evaluated to determine casing integrity and the feasibility of repairing the casing to return the well to production. If the casing can not be repaired in an economical manner with limited risk of failure, the well will be plugged and abandoned.

PROCEDURE:

Prior to move on test rig anchors and repair if necessary. Construct reserve and blow pit. Notify Farmington BLM (326-6201) 24 hours prior to commencing operations. Comply with all MOI, federal and state regulations.

1. Pressure test casing to 500 psi minimum between a bridge plug and packer combination and down annulus to isolate top and bottom of casing failure. Dependent upon the extent of the failure, proceed with repair of the casing or plugging operations. Notify BLM prior to plugging.

CASING REPAIR -

2. Squeeze as follows:

- A. For casing failure above top of cement, cement to circulate bradenhead.
- B. For casing failure below top of cement, squeeze as required. -
- 3. Drill out squeeze interval(s) and pressure test casing to 500 psi minimum.
- 4. Once casing holds 500 psi, clean out to PBTD and return well to production.

PLUG & ABANDON -

2. TOH with RBP and Pkr. TIH with 1 1/4" DP open-ended to PBTD at 2285'. Circulate 5 bbls of water ahead of each plug. Spot cement plug and pull DP to top of plug. Three plugs in +/-700' intervals as follows.

Interval	Length	Volume	Cement	Excess
2285'-1600**	685'	32.2 ft ³	27 sx	45%
1600'- 900'	700'	25.7 ft ³	22 sx	15%
900'- 250**	650'	26.2 ft ³	22 sx	15%

*After first plug, pull a minimum of 1000' above top of plug. Wait on cement a minimum of two hours. Trip in hole and tag top of plug to verify plug depth. Proceed with spotting additional plugs from top of first plug.

**After third plug, TOH to 220' and reverse out until returns are clean. Wait on cement two hours. TIH and tag top of plug to verify depth. Fill hole with 9.0 ppg / 50 vis mud from top of third plug if plug depth below 250'. Respot plug with required sacks to fill casing to 250' with cement if plug depth below 650'. 2 7/8" casing will be filled with cement from PBTD to 650' minimum.

3. TOH with drillpipe. RU wireline and shoot two 0.45" squeeze holes at 200'. RD wireline.

4. RU cementers on 2 7/8" casing. Establish rate into squeeze holes thru open bradenhead. Cement to circulate bradenhead with 70 sx cement (82.6 ft³ for 200' inside/out plug to surface, est. 45% excess). Circulate until cement returns thru bradenhead.

5. Cut off wellhead and install dry hole marker.

Lackey #5
 South Blanco Pictured Cliffs
 SW/SW/4 Sec.26, T28N, R09W
 Wellbore Schematic

