submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED
SEP 15 1992
OIL CON. DIV.
DIST. 3

1. **Type of Well**
GAS

5. **Lease Number**
SF-~~078957~~ 078877

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

7. **Unit Agreement Name**
Canyon Largo Unit

2. **Name of Operator**
Meridian Oil Inc.

8. **Well Name & Number**
Canyon Largo U #212

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

9. **API Well No.**

4. **Location of Well, Footage, Sec., T, R, M**
1675'FSL, 1150'FWL Sec.6 , T-24-N, R-6-W, NMPM

10. **Field and Pool**
Ballard Pic.Cliffs

11. **County and State**
Rio Arriba 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**

This well is identified as having a casing leak. The well will be repaired if possible. If not, it will be plugged & abandoned. (See attached procedure and wellbore diagram.)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

RECEIVED
BLM
92 SEP -3 PM 2:38
070 FARMINGTON, NM

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

Signed Peggy Bradfield (TM) Title Regulatory Affairs Date 9/3/92

APPROVED
AS AMENDED
SEP 11 1992
AREA MANAGER

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

NMOCD

Procedure for Slimhole Casing Repair
Canyon Largo Unit #212
Pictured Cliffs Producer
T24NR06WSec06L

Requirements:

-1-1/4" Slimline Drillpipe, 2400', 2.4# N-80, 1.812" OD box, 1-13/16" Slimline connections
-2-1/4" workover bit, 3 blade drag bit with A-Rod connection
-Bit Sub with 1R Float, A-Rod box X 1-1/2" EU 10rd pin.
-2-7/8" Casing Scraper, Baker Model "D" Roto-Vert, 2.188" OD, 1-1/2" EU 10rd connection.
-X-Over 1-1/2" EU 10 rd box X 1-13/16" Homco Slimline box.
-X-Over 1-14" IJ 10 rd pin X 1-13/16" Homco Slimline box.
-2-7/8" Retreivable Bridge Plug, Guiberson Uni-Packer VI, 2.344" OD, w/solid mandrel XL On-Off retreiving head.
-2-7/8" Retreivable Packer, Guiberson Uni-Packer VI, 2.344" OD/ 0.75" ID, 1-1/4" IJ 10rd connection.
-Profile Nipple for drill string.
-Cement will be Class B with 2% CaCl added in mix water (15.6 ppg, 1.18 ft^3/sx, 5.2 gal/sx)
-Maximum Cement Volume for Repair: **403 sxs + 50% = 605 sxs**
-Maximum Cement Volume for P&A: **125 sxs + 50% = 188 sxs**

Prior to move on, test rig anchors & repair if necessary. Construct reserve & blow pit.
Notify BLM (599-8907) 24 hrs prior to commencing operations.
Comply with all MOI, federal, & state regulations. **Always Hold Safety Meetings.**

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1. MORU daylight rig. Record Csg & Brdhead pressures. Place fire & safety equipment in appropriate areas. w/ 2-7/8" master valve closed, NU BOP & all lines. Test operation of BOP. Verify working pressure of master valve.

2. PU 2-1/4" bit, float, & 2-7/8" csg scraper. TIH on 1-1/4" slimline drill pipe to PBTD of **2316'**. Note & report fluid level. Circulate w/ air-mist to clean hole. TOOH.

3. PU 2-7/8" RBP & PKR combination. TIH on 1-1/4" drillpipe. Set RBP **@ 2150' (50'** above top perforation at 2194'). Release RBP. Pull up to top of next joint. Set packer. Test below packer to 1000 psi for 5 minutes. Close rams and test annulus to 800 psi. Release PKR & pull up one jt. Dump 5 gal sand down 1-1/4" on RBP.

4. Locate casing failure by testing below packer to 800 psi & annulus to 800 psi using rig pump. Pull uphole. Locate all holes. Establish rate & record pressures into each leak. Note TOC @ **1450'** from temperature survey.

5. Notify Production Engineering of pressure test results. Decision for either abandonment or repair will be made upon condition of the 2-7/8".

REPAIR:

6. If leak is below TOC. Squeeze below packer (set a minimum of 350' above leak). Monitor pressures on brdhead. RU cementers. Establish rate w/ 2% KCl down 1-1/4" drill pipe. Mix & pump 50 sxs Class B cement (w/ 2% CaCl accelerator) depending upon rates & pressure to 800 psi & 1 BPM maximum. Unseat packer & reverse out cement. Pull one stand & reset PKR. Reapply & hold pressure 2 hrs.

   If leak is above TOC. TOOH w/ 1-1/4" drillpipe. RU cementers. Establish rate down 2-7/8" csg (circulate to surface if possible). Use Class B cement (w/ 2% CaCl accelerator). Volume to circulate from TOC @ 1450' is 403 sxs (85 bbls). Displace cement to within 300 feet (1.75 barrels) of top failure. Hesitate 15 minute squeezes to 800 psi or 1.5 barrels. Hold final squeeze pressure for 2 hrs. Circulate cement if possible.

7. TIH w/ 2-1/4" bit 1-1/4" drillpipe. Drill out top failure. Close rams & test csg to 500 psi maximum. Repeat drill out & test for each failure.

8. If test fails on any interval, resqueeze prior to drilling to next squeeze.

9. Once csg holds 500 psi, TIH w/ csg scraper to RBP. Clean out & circulate sand off RBP. TOOH.

10. TIH w/ retrieving tool on 1-1/4" drill pipe. Unload hole w/ air-mist. Latch on RBP & TOOH.

11. RU wireline. Shoot 10 holes w/1-11/16" gun btm up. 1 SPF 0.36" hole 13 gr. TTP of 6.35" @ 2194', 2195', 2198', 2199', 2234', 2235', 2236', 2237', 2238', 2239', 2240'. Correlate with supplied CCL log.

12. PU 2-1/4" bit, float, & 2-7/8" csg scraper. TIH on 1-1/4" drill pipe. Circulate hole clean to PBTD (2316') and verify removal of sand and fluid. TOOH & LD drill pipe. Gauge gas flow of well.

13. ND BOP & lines. NU wellhead. Release rig and turn well over to Production Operations. Notify EPNG of well status, return well to production.

PLUG & ABANDONMENT: Notify BLM (599-8907) of Abandonment Decision.

6. TOOH w/ RBP & PKR. TIH w/ 1-1/4" drill pipe open-ended to PBTD (2316'). RU cementers. Circulate hole w/ 5 bbls water ahead of all plugs. Spot cement plug & pull up to top of all plugs. Spot cement as follows:

Plug #	Interval:	Length of Plug	Volume	sxs Cement	Excess
1	2316' - 1700'*	616'	24.02 ft^3	20.0	20 %
2	1700' - 1000'	700'	27.30 ft^3	23.0	20 %
3	1000' - 250'**	750'	29.25 ft^3	24.5	20 %
4	250' - 180'	250'	97.35 ft^3	82.5	50 %
	180' to surf				

*After spotting Plug #1, pull up 500' minimum to 1200'. WOC 2 hrs before tagging next plug and proceeding.

**After spotting Plug #3, pull up to 220' & reverse out until clean. WOC 2 hrs. Tag TOC. Fill hole w/ 9.0 ppg 50 visc mud from top of Plug #3 to 150'. 2-7/8" casing will be filled from PBTD to 500' minimum with cement.

7. TOOH & LD drillpipe. RU wireline & shoot two 1/4" holes @ 180'. RD wireline.

8. Establish rate down 2-7/8" casing and out bradenhead to surface. Plug #4. **Cement will be circulated to surface.** Volume to circulate from 180' is 55 sxs (11.5 bbls). Circulate good cement to surface.

9. Cut off wellhead below bradenhead & install dryhole marker. Release rig.

Approved: _____
J. A. Howieson
Drilling Superintendent

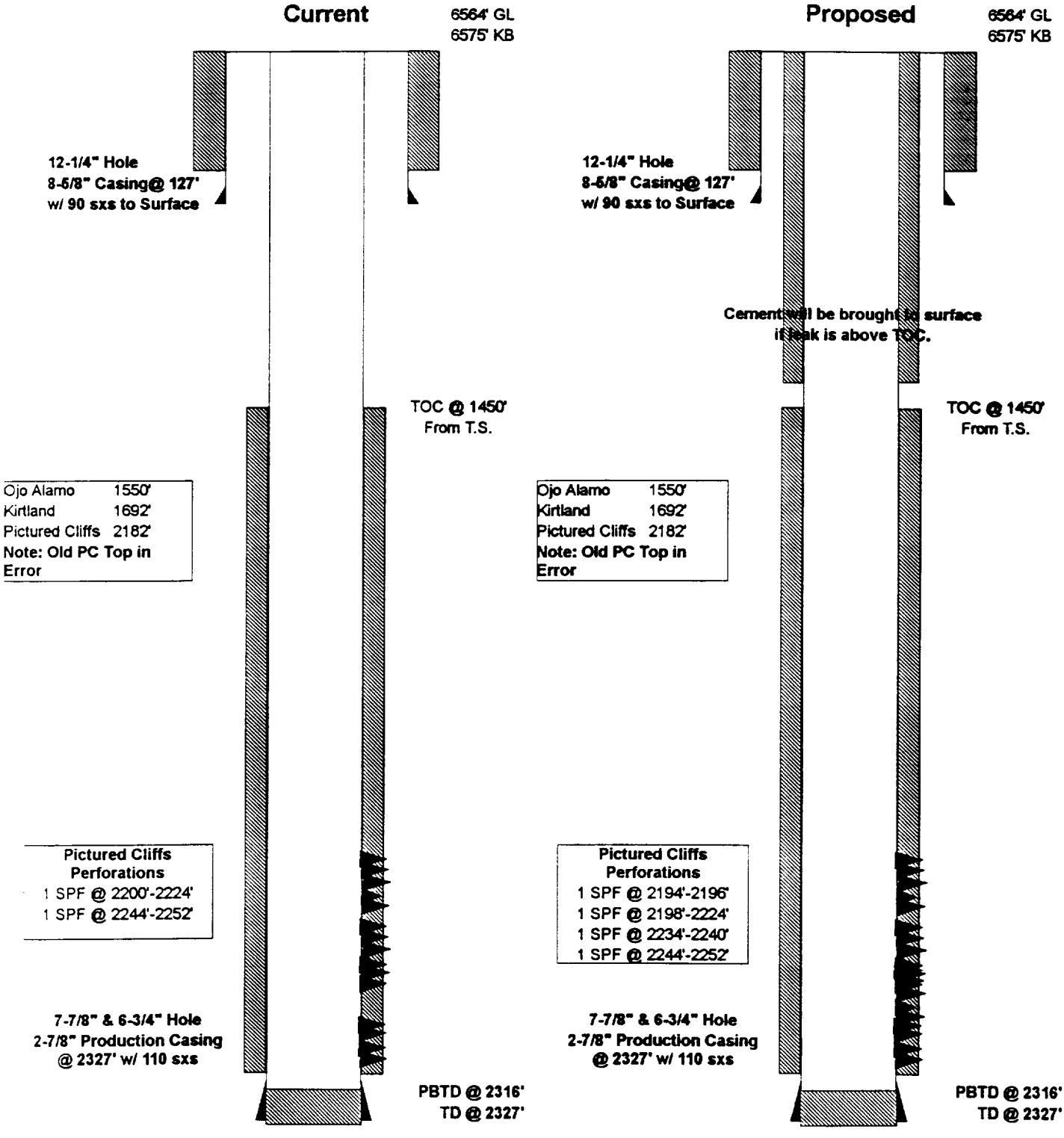
Vendors: On next page

Canyon Largo Unit #212

T24NR06W06L

Pictured Cliffs Slimhole

Casing Repair or Abandonment



Well was perforated 1 SPF and fraced w/ 25,000# 10/20 sand @ 27 BPM. Well has a casing failure. This failure is most likely above TOC.

The well will be cleaned out, new perforations added, a BP will be set, the casing tested, and the leak identified. At this point the leak will either be repaired, or the well plugged & abandoned with cement from PBTD to Surface.

FEW