

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF077107
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 832.486.2326 Fx: 832.486.2688		8. Well Name and No. MICHENER A LS 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T28N R9W SENE Tract A GONZALES 1700FNL 0840FEL 36.63554 N Lat, 107.78723 W Lon		9. API Well No. 30-045-07179-00-D1
		10. Field and Pool, or Exploratory AZTEC PC/ BLANCO MV
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips requests approval to evaluate this well for casing repair as per the attached procedure and if economical to do so...repair casing and put back on production. If the casing is not economical to repair we propose to plug and abandon this well as per the attached procedure. Also attached are the current and proposed wellbore schematics.



14. Thereby certify that the foregoing is true and correct. Electronic Submission #23214 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Farmington Committed to AFMSS for processing by Steve Mason on 06/13/2003 (03SXM0949SE)	
Name (Printed/Typed) DEBORAH MARBERRY	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 06/13/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON	Title PETROLEUM ENGINEER	Date 06/19/2003
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NWCCD

CASING REPAIR EVALUATION OR PLUG AND ABANDONMENT PROCEDURE

June 11, 2003

Michener A LS #4

Aztec Pictured Cliffs & Blanco Mesaverde
1700' FNL & 840' FEL, Section 28, T28N, R9W
San Juan County, New Mexico
Lat: N 36° 36' 7.94" / Long: W 107° 47' 13.9" / API 30-045-07179

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CASING EVALUATION:

- Well currently has a casing failure and the Mesaverde zone is logged off. The following procedure has various options to possibly: test the producing intervals capabilities and then repair the casing if economically justified; or repair the casing without testing, or not repair the casing and plug the well if the casing condition is poor or the well is not capable of economic production.
1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and ConocoPhillips safety regulations. MOL and RU daylight pulling unit. Conduct JSA meeting for all personnel on location. NU relief line. Set a blanking plug or choke in the Mesaverde tubing.
 2. **Record the casing, tubing(s) and bradenhead pressures.** Blow down the BH and note any change on the casing pressure. Blow down the casing and tubing; kill with water as necessary. ND wellhead and NU BOP with offset 1-1/4" rams and spool. Test BOP.
 3. TOH and LD the PC 1-1/4" tubing, 3080'. ND offset spool and change BOP rams to 2-3/8". Pull to release Baker EGJ Packer at 5230', (set in 7000# compression). TOH and tally 2-3/8" EUE tubing, 5230'. Note the condition of the tubing strings, depth of the fluid level and if any scale or mud present. Measure the ID of the tubing head to determine if 7-5/8" tools will pass through.
 4. TIH with a 4-3/4" bit and water melon mill through the MV perforations and tag bottom. Note: top of 5-1/2" liner hanger at 5132'. TOH and LD bit.
 5. TIH and set a 5-1/2" cement retainer at 5300'. Pressure test the tubing to 1000#. Release from the CR then sting back into. Contact a ConocoPhillips representative and review the well's condition and determine if it is reasonable to swab test the Mesaverde zone.
 6. If the Mesaverde is not tested or after testing, then sting out of CR and TOH with the tubing. PU a 7-5/8" RBP and TIH. Set RBP at 2850'. Load the 7-5/8" casing with water. Circulate the well clean and then pressure test the casing to 500#.
 7. Contact a ConocoPhillips representative and review the well's condition and determine if it is reasonable to pick up a packer and isolate the casing leak top and bottom. If the casing leak is a large interval, then it may necessary to use a another RBP to get better delineation of the casing failure. If the well is to be tested for economic production, then either swab off the fluid above the RBP at 2850' or circulate the well with 2% KCl water before releasing the RBP.

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Test Procedure Continued:

8. Then based on the well's condition and casing leak nature, do one of the following actions:
9. **MV Short Term Production Test:** TIH with the production tubing and run a tubing broach on the sand line. Sting into the cement retainer at 5300' and land the tubing. ND the BOP and NU the wellhead. RU swabbing tools and swab the well. RD and MOL. Then the Production department will flow test the well for approximately 6 months to determine if the well is capable of economic production. Also attempt to flow the PC up the annulus.
10. **MV Uneconomical and PC Short Term Production Test:** Set plug #1 to isolate the MV perforations and to cover the liner top. Then set a CR at 2900' above the PC perforations. TIH with the production tubing and run a tubing broach on the sand line. Sting into the cement retainer at 2900' and land the tubing. ND the BOP and NU the wellhead. RU swabbing tool and swab the PC perforations. RD and MOL.
11. **Casing Repair:** After the casing leak interval is isolated, then repair with squeeze cementing per a procedure to be determined. Drill out the cement and pressure test the casing. Circulate the well with 2% KCl water above the RBP and then recover. Clean out to PBTD. May need to use an air package to drill out clean out the well.

12. Plug and Abandon well as follows:

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.
All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

PERMANENT ABANDONMENT:

- (Point Lookout & Liner top)*
13. **Plug #1 (Mesaverde perforations and liner top, 5300' – 5082')**: TIH with open ended tubing and tag CR at 5300'. Pump 40 bbls water down the tubing. Mix 43 sxs cement and spot a plug inside casing to isolate the Mesaverde perforations and to cover the liner top. TOH with tubing.
Mesaverde 4725' - 4625' Chacra Plug 3994' - 3894' inside & outside 7 7/8" casing
 14. **Plug #2 (Pictured Cliffs perforations and Fruitland top, 2900' – 2740')**: Set a 7-5/8" wireline CIBP at 2900'. TIH with open ended tubing and tag CIBP. Load the casing with water and circulate the well clean. Mix 48 sxs cement and spot balanced plug inside the 7-5/8" casing to isolate the PC perforations and to cover the Fruitland top. WOC if casing leak interval not identified or is below this plug. TOH with the tubing.
 15. **Plug #3 (Kirtland and Ojo Alamo tops, 2190' - 1940')**: Perforate 3 HSC holes at 2190'. Set a 7-5/8" cement retainer at 2140'. Mix and pump 159 sxs cement, squeeze 91 sxs outside the casing and leave 68 sxs inside to cover through the Ojo Alamo top. WOC if casing leak interval not identified or is below this plug. TOH with tubing.

**CASING REPAIR EVALUATION OR
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Abandonment Procedure Continued:

16. **Plug #4 (Nacimiento top, 890' - 790'):** Perforate 3 HSC holes at 890'. If the casing tested before perforating, then establish a rate into the squeeze holes. Set a 7-5/8" cement retainer at 840'. Mix and pump 71 sxs cement, squeeze 37 sxs outside the casing and leave 34 sxs inside to cover then Nacimiento top. WOC if casing leak interval not identified or is below this plug. TOH and LD tubing.
17. **Plug #5 (10-3/4" Casing shoe, 221' – Surface):** Perforate 3 HSC holes at 221'. Establish circulation out the bradenhead with water. Mix and pump approximately 120 sxs down the 7-5/8" casing to circulate good cement out the bradenhead. Shut in well and WOC.
18. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Michener A LS #4

Current

Aztec Pictured Cliffs / Blanco Mesaverde

1700' FNL, 840' FEL, Section 28, T-28-N, R-9-W, San Juan County, NM

Lat: 36° 36.0' 7.944" / Long: 107° 47' 13.92" / API #30-045-07179

Today's Date: 6/11/03
Spud: 3/15/57
Comp: 7/31/57
Elevation: 6837' GL
6852' KB

13-3/4" Hole

10-3/4" 32.75# Casing set @ 171'
150 sxs cement circulated to surface

Well History

May '74: Tubing repair: pull 1-1/4" and 2-3/8" tubing strings, replace bad joints and re-land.

Nacimiento @ 840'

1-1/4" Tubing set at 3080'
(93 joints)

Ojo Alamo @ 1990'

Kirtland @ 2140'

Top of Cmt @ 2635' (T.S.)

Fruitland @ 2790'

Pictured Cliffs @ 3035'

Pictured Cliffs Perforations:
3040' - 3084'

DV Tool @ 3188'
Cmt with 150 sxs (216 cf)

2-3/8" Tubing set at 5423'
(172 joints with a packer at 5230')

TOC @ 4516' (Calc. 75%)

9-7/8" Hole

5-1/2" Liner Top @ 5132'
TOC @ 5190' (TS)

7-5/8" 26.4# J-55 Casing @ 5225'
Cemented with 150 sxs (203 cf)

Mesaverde @ 5318'

Baker EGJ Packer at 5230'

Mesaverde Perforations:
5356' - 5474'

6-3/4" Hole

5-1/2" 15.5# Liner from 5132' to 5506'
Cemented with 100 sxs (126 cf)

TD 5553'

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Proposed P & A

Aztec Pictured Cliffs / Blanco Mesaverde

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Lat: 36° 36.0' 7.944" / Long: 107° 47' 13.92" / API #30-045-07179

Today's Date: 6/11/03
Spud: 3/15/57
Comp: 7/31/57
Elevation: 6837' GL
6852' KB

Nacimiento @ 840'
28

Ojo Alamo @ 1990'

Kirtland @ 2140'
36

Fruitland @ 2790'
48

Pictured Cliffs @ 3035'
28

Chacra 3944'

Mesaverde @ 5348'
4675

13-3/4" Hole

9-7/8" Hole

6-3/4" Hole

TD 5553'

10-3/4" 32.75# Casing set @ 171'
150 sxs cement circulated to surface

Perforate @ 221'

Cmt Retainer @ 840'

Perforate @ 890'

Cmt Retainer @ 2140'

Perforate @ 2190'

Top of Cmt @ 2635' (T.S.)

Set CIBP @ 2900'

Pictured Cliffs Perforations:
3040' - 3084'

DV Tool @ 3188'
Cmt with 150 sxs (216 cf)

plug 3994 - 3894

TOC @ 4516' (Calc. 75%)
plug 4725 - 4625

150 / 3.775 (1.18) = 34 sxs

5-1/2" Liner Top @ 5132'
TOC @ 5190' (TS)

7-5/8" 26.4# J-55 Casing @ 5225'
Cemented with 150 sxs (203 cf)

Set Cmt Retainer @ 5300'

Mesaverde Perforations:
5356' - 5474'

5-1/2" 15.5# Liner from 5132' to 5506'
Cemented with 100 sxs (126 cf)

3.775
221 / 4.775 (1.18) = 50 sxs
50 / 4.654 (1.18) = 9 sxs
171 / 4.009 (1.18) = 36 sxs
= 95 sxs

Plug #5: 221' - Surface
Cement with 120 sxs

Plug #4: 890' - 790'
Cement with 71 sxs,
34 sxs inside casing
and 37 sxs outside.

200 / 4.654 (1.18) = 36 sxs
Plug #3: 2190' - 1940' - 150
Cement with 159 sxs,
68 sxs inside casing
and 91 sxs outside.

68 (3.775 (1.18)) = 303'
91 (4.654 (1.18)) = 500'

Plug #2: 2900' - 2740'
Cement with 48 sxs

48 (3.775 (1.18)) = 214'

Plug #1: 5300' - 5082'
Cement with 43 sxs