| | | ATES | | FORM | |
|--|--|---|--|---|--|
| m 3160-5 August 2007) | UNITED ST DEPARTMENT OF T | | | | APPROVED 0. 1004-0137 |
| ruguar 2007 j | BUREAU OF LAND M | | | | July 31, 2010 |
| JAN 07 2013 | DOTTING OF THIS IS | 77 X1 X2 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3 | | 5. Lease Serial No. | |
| | | | _ | | F-077651 |
| Do not us | IDRY NOTICES AND R this form for propose well. Use Form 3160-3 | als to drill or to re-e | nter an | 6. If Indian, Allottee or Tribe 1 | Jame . |
| | JBMIT IN TRIPLICATE - Othe | r instructions on page 2. | | 7. If Unit of CA/Agreement, N | ame and/or No. |
| Fype of Well | | | | 0 Wall Managed Managed Managed Managed Managed Strength | |
| | X Gas Well Oth | nei | | + | nardson 101 |
| Name of Operator Burling | Iton Resources Oil & G | as Company LP | | 9. API Well No. 30-1 |)45-27295 |
| Address | | 3b. Phone No. (include | e area code) | 10. Field and Pool or Explorat | |
| PO Box 4289, Farmingt | | (505) 326 | 6-9700 | | FC / Glades FS |
| Location of Well <i>(Footage, Sec., T.,I</i> Irface Unit H (S | R.,M., or Survey Description) ENE), 1870' FNL & 1300 | 0' FEL, Sec. 10, T31 | N, R12W | 11. Country or Parish, State San Juan | , New Mexico |
| 12. CHECK | THE APPROPRIATE BOX(| (ES) TO INDICATE NA | TURE OF NO | TICE, REPORT OR OTH | ER DATA |
| TYPE OF SUBMISSION | | 1 | TYPE OF AC | TION | |
| X Notice of Intent | Acidize | Deepen | | Production (Start/Resume) | Water Shut-Off |
| | Alter Casing | Fracture Treat | | Reclamation | Well Integrity |
| Subsequent Report | Casing Repair | New Construction | ۱ 🔲 ۲ | Recomplete | Other |
| for | Change Plans | X Plug and Abandor | n 🛄 1 | remporarily Abandon | |
| Final Abandonment Notice | Convert to Injection | Plug Back | | Water Disposal | |
| If the proposal is to deepen direction Attach the bond under which the v following completion of the involv Testing has been completed. Final determined that the site is ready for | onally or recomplete horizontally, york will be performed or provide red operations. If the operation re: Abandonment Notices must be fi | give subsurface locations an the Bond No. on file with BI sults in a multiple completion | d measured and t LM/BIA. Require n or recompletion | ed subsequent reports must be fi i in a new interval, a Form 3160 | nt markers and zones. led within 30 days 4 must be filed once |
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ConocoPhillips RICHARDSON 101 Expense - P&A

Lat 36° 54' 55.559" N

Long 108° 4' 42.06" W

Note: Tools stuck in the hole at 2061' based on 2004 wireline. Set locking 3-slip stop.

PROCEDURE

54

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.

6. TOOH with tubing (per pertinent data sheet).

 Tubing:
 Yes
 Size:
 2-3/8"
 Length:
 2535

7. PU a watermelon mill for 5-1/2 15.5# K-55 casing and round trip casing scrap 2426' or as deep as possible. TOOH.

8. PU and RIH with CR for 5-1/2" 15.5# K-55 casing and set 50' above top perforation @2376'.

9. Load 5-1/2" casing, pressure test tubing to 1000 psi and pressure test casing to 800 psi. TOOH with tubing. Hold 500 psi of pressure on 5-1/2" casing and run CBL. Contact Production Engineer with results.

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/sk yield.

10. Plug 1 (Fruitland Perforations and Formation Top, 1940-2376', 56 Sacks Class B Cement) Note: CR already set at 2572'. Mix 56 sx of Class B cement and spot plug inside casing to isolate the Fruitland Perforations and Formation Top. PUH

1000

11. Plug 2 (Kirtland and Ojo Alamo Formation Tops, 850-972', 20 Sacks Class B Cement) Mix 20 sx of Class B cement and spot plug inside casing to isolate the Kirtland and Ojo Alamo Formation Tops. PUH

12. Plug 3 (Surfae Casing Shoe and Surface Plug, 0-269', 37 Sacks Class B Cement)

Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 37 sx cement and spot a balanced plug inside casing from 269' to surface, circulate good cement out casing valve. TOOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 269' and the annulus from the squeeze holes to surface. Shut in well and WOC.

13. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

| 170WI 004527295 | Strace Legal Location 010-031N-012VV-H | Field Name BASIN (FRUITLAND (| LICENSE NO. | State/Prouthice NEW MEXICO | Well Config station Type | E |
|----------------------|---|----------------------------------|-----------------------------------|---|---|---|
| 6,175.00 | Original KB/RT Election (%) 6,188.00 | KB-Grouid.(| 13.00 | Ka-Casilig Fisige D≥ taice (0) 6,188.00 | Ka-Tiblig Haiger Distance (1) 6,188.00 | |
| tKB MD) | | Vell Config: - O | riginal Hole, 11/30 c - Actual | 1/2012 10:32:35 AM | Frm Final | τ |
| 0 | | | | | | |
| 13 | | | Surface CEMENT | Casing Cement, 13-219, 5/17/19 WITH 175 SKS CLASS B 1/4# E & 3% CACL2: CIRC 4 BBL TO | 990. | |
| 219 | | | SURFAC Surface 219 ftKt | , 8 5/8in, 24.00lbs/ft, K-55, 13 ft | кв, | |
| 223 | | | | | | |
|)00 | a, 2 3/8in, 4.70lbs/tt, J-55, | | | | OJO ALAMO, 90 | |
| 990 | 3, 2 378in, 4.70lbs/nt, 4-55, 13 ftKB, 2,501 ftKB | | [| | FRUITLAND, 1,99 | |
| 183 | | | | | | |
| | rac-Other, 6/13/1990, 620 | | | · · | | |
| 12,3 20/40 501 | -1/2% HCL, FRAC'D WITH '60# 40/70 AND 124,560# BRADY SAND, 40# GEL, 84,958 GAL | | PERF - 1 | RUITLAND COAL, 2,426-2,572, | | |
| 502 | lipple, 2 3/8in, 2,501 ftKB, 2,502 ftKB 3, 2 3/8in, 4.70lbs/ft, J-55, | | | | -), | |
| 11 | 2,502 ftKB, 2,534 ftKB HECK, 2 3/8in, 2,534 ftKB, 2,535 ftKB | | | · . | | |
| 535 | | | | | | |
| 574 | [PBTD, 2,574] | | 5/20/199 25/75 P | ion Casing Cement, 13-2,576, 30, CEMENT WITH 660 SKS CLAS DZ, TAIL WITH 100 SKS CLASS DZ. CIRC 42 BBLS CMT TO SURF | Ð | |
| 576 | TD, 2,576 | | | on, 51/2in, 15.50lbs/ft, K-55, 13 | | |

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| 04527295 | SUBRE Legal Location 010-031N-012W-H | Field Name BASHI (F.R.U | TLAND COAL | NEW MEXICO | AviiCongrati | <u> </u> |
|-------------------------|--|----------------------------|-----------------------|---|--------------|-------------------------------|
| 6,175,00 | 0190al16287 Eleanon (n 6,188.00 | 1.6- | Giomanice (B 13.00 | 6,188,00 | | angen Distance av 6,188.00 |
| Souther the set of | an an an an an an ann an an an an an an | We | II Config: Origin | al Hole, 1/1/2020 🔊 🖓 🖓 | | |
| tke (fike) MD) (TVD) | | | Schematic - Actu | सिन्द से में दिन्दु के किन्दु के किन्दु के किन्द्र के सिन्द्र है। al | | Frm Final |
| 0 | | | | | | |
| | <u>«</u> | | | Lack Surface Casing Cement, 13-2 | 9 | |
| | | | | 5/17/1990, CEMENT WITH 175 | SKS CLASS | |
| 218 | | | | TO SURFACE Surface, 8 5/8in, 8.097in, 13 ft | | |
| 219 | | | | | | |
| 223 | | | | Plug #3, 13-269, 1/1/2020, Mix B cement and spot a balanced | | |
| 269 | | | | casing from 269 to surface, o cement out casing valve. | | |
| 850 | | | | Content our cushing years. | | |
| 900 | | | | | | OJO ALAMO, 900 |
| 922 | | | / M / | Plug #2, 850-972, 1/1/2020, M | | -KIRTLAND, 922 |
| 972 | | | | Class B cement and spot bala inside casing to isolate the Kirl | | |
| ,940 | | · . | | Alamo Formation tops. | | |
| ,990 | | | | | | FRUITLAND, 1,990 |
| 2,061 | | ł | | · ··· | | |
| ,062 | | ľ, | | | | |
| 2,183 | | [| | | | |
| 2,192 | | ł | | Plug #1, 1,940-2,376, 1/1/2020 | 1 Mix 56 sx | |
| 2,376 | | [| | of Class B cement and spot a casing to isolate the Fruitiand I | plug inside | |
| 377 | ement Retainer, 2,376-2,3 | 377 | | and Formation top. | | |
| 2,426 Hyd | l Frac-Other, 6/13/1930, 6 | 520 m- | 4 | | | • . |
| 2,501 | GAL 7-172% HCL, FRAM WITH 12,760# 40/70 A | | | PERF - FRUITLAND COAL, 2,4 | 26-2,572, | |
| 2,502 | 4,560# 20/40 BRADY SAI 40# GEL, 84,958 G | | | 6/13/1990 | | |
| 534 | | | | | | |
| 2,535 | · · · | | す 格 | | | |
| 2,572 | | | | Production Casing Coment, 13 | | |
| 574 | PBTD, 2, | 574 | | 5/20/1990, CEMENT WITH 660 / B 25/75 POZ, TAIL WITH 100 S | SKS CLASS | · · · · · |
| 2,570 | TD, 2,576, 5/19/14 | f | | Image: Production 5 1/2in, 4.950in, 13 | | |
| | L'eterer erierte | | | ftK⊟ | | PICTURED CLIFFS, |
| 2,631 | - | | | | | 2,631 |

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment Well: 101 Richardson

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

a) Place the Kirtland/Ojo Alamo plug from 1000' - 850'.

b) You are required to have H2S monitoring equipment and personnel on location during plugging operations.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.