

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RCVD NOV 16 06
OIL CONS. DIV.
DIST. 3

2006 NOV 14 PM 4 27
RECEIVED
070 FARMINGTON NM

1. **Type of Well**
GAS

5. **Lease Number**
SF-077107-A

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

7. **Unit Agreement Name**

2. **Name of Operator**

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well Name & Number**

Hancock B #5E

9. **API Well No.**

30-045-24078

10. **Field and Pool**

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM

Unit I (NESE), 1450' FSL & 1160' FEL, Sec. 31, T28N, R9W NMPM

11. **Basin DK/ Basin FC
County and State**
San Juan, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission:

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action:

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☒ Other : BH remediation

13. Describe Proposed or Completed Operations

The intent of this procedure is to repair the bradenhead. The 2006 OCD required bradenhead test indicated a failure. The bradenhead flowed gas, and maintained pressure. The procedure includes pulling the tubing, setting a CIBP in the casing, run Radii Cement Evaluation log, pressure test the casing, and performing a squeeze cement job. After the well is returned to production a OCD bradenhead test will be performed.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed

Philana Thompson

Title Regulatory Tech

Date 11/14/06

(This space for Federal or State Office use)

APPROVED BY

Title

Pet. Eng.

Date

11/15/06

CONDITION OF APPROVAL, if any:

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

NMOCD
B 11/21

Hancock B 5E
1450' FSL & 1160' FEL
Unit I, Sec. 31, T28N, R9W
Latitude / Longitude: N36 36.920 / W107 49.519
San Juan County, New Mexico
AIN: 5056002 FRC

SCOPE:

The intent of this procedure is to repair the bradenhead. The 2006 OCD required bradenhead test indicated a failure. The bradenhead flowed gas, and maintained pressure. The procedure includes pulling the tubing, setting a CIBP in the casing, run Raddi Cement Evaluation log, pressure test the casing, and performing a squeeze cement job. After the well is returned to production a OCD bradenhead test will be performed.

1. Comply with all BLM, NMOCD, and company safety and environmental regulations. Conduct daily safety meetings for all personnel on location. Test rig anchors, install if needed. Build blow pit prior to moving in rig.
2. MIRU. Obtain and record in DIMS all wellhead pressures. NU relief line. Blow well down and kill with 2% KCl water if necessary. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. The 2-3/8" 4.7# J-55 EUE 8rd tubing is set at 2146'. Tubing installed on 7/17/2001. PU additional 2-3/8" tubing and tag bottom (record depth). PBTD CIBP is 2202'. TOH with (69) jts 2-3/8" 4.7# J-55 EUE 8rd , (1) 2-3/8" by 1.78 "ID seating nipple, (1) jt. 2-3/8", (1) Exp Ck, pumped off.
4. RU wireline unit. RIH with 4-1/2" CIBP and set at approximately 1930' (top perf is at 1986', CIBP @ 2202'). TOOH. Load hole with 2% KCl water. Run Blue Jet's Raddi Cement Evaluation log (RCE), from 1930' to surface. Deliver logs to area engineer and rig supervisor to evaluate log for squeeze hole. Rig down log company.
5. Pressure test casing to 500 psi. for 30 mins., chart for MIT. Bleed off pressure. If pressure test fails, isolate leak with packer. Contact rig supervisor and engineer for squeeze design. Cement with Type III, 2% CaCl, tailed with neat.
6. Follow squeeze procedure as recommended from Step 4. TIH with 4-1/2" fullbore packer and set 250' above squeeze hole. Pressure up casing/tubing annulus to 500 psig. Establish rate into squeeze holes with bradenhead valve open. (Max pressure 1000 psig).
7. Mix and pump cement. Displace cement to packer. Close bradenhead valve and perform squeeze cement job. Maintain squeeze pressure and WOC 12 hours (overnight). TOOH and LD packer. TIH with 3-7/8" bit and drill out cement. Pressure test casing to 500 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
8. TIH with 3-7/8" mill on 2-3/8" tubing to CIBP. Mill out CIBP with air/mist and chase plug to bottom. Clean out to PBTD with air/mist. TOOH.
9. TIH as follows; (1) 2-3/8" muleshoe w/ Ex Ch (1) 2-3/8" by 1.78" ID "F" nipple (1) jt. 2-3/8", (1) 2' pup jt., remaining 2-3/8" 4.70# J-55 EUE 8rd tubing to land tubing at +/- 2146'. Broach while TIH.
10. ND BOP and NU WH. **If well will not flow on its own, make swab run to seating nipple.** During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production. RD and MOL. Return well to production.

Recommended: _____

Susan M. Linert
Production Engineer
Office: 324-5140
Cellular: 320-0706

Approved: _____

Lyle Ehrlich
Drilling Superintendent
Office: 599-4002
Cellular: 320-2613

Co-approver: _____

Dennis Wilson
Engineering Tech - BAE

HANCOCK B 5E FRC

Unit I T028N R009W Sec.031

1450 FSL & 1160 FEL

API Number: 30045240780000

SAN JUAN COUNTY, NM

AIN: 5056002

Latitude N36 36.920
Longitude W107 49.519

Spud date: 4/6/80 Completion Date: 7/20/01

GL = 6094'

KB= 6104'

Current Wellbore**STATUS**

FLOWING W/COMPRESSOR

CASING RECORD:9-5/8" 32.3# H-40 set @ 229'
Cemented with 224 cfTOC @ surface**Current Tubing Design**(69) jts. 2-3/8" 4.7# J-55 EUE 8rd
(1) 2-3/8" by 1.78" ID SN
(1) jt. 2-3/8" 4.7# J-55 EUE 8rd
(1) Exp Check
Landed @2146' on 7/17/2001

CIBP @ 2202' (7-10-2001)

DV Tool @ 2355'

Cmt plug from 3010' - 3114', tag @ 3010'

Cmt plug from 3644' - 3744'

CASING RECORD:4-1/2" 10.5 & 11.6 K-55 set @ 6808'
Cemented with 706 cfTOC @ 1274' CBL**FORMATION TOPS:**Ojo Alamo 1175'
Kirtland 1290'
Fruitland 1920'
Pic. Cliffs 2152'
Chacra 3064'
Pt. Lookout 4442'
Dakota 6567'

TOC 1274' CBL (1999)

WORKOVER HISTORY:1999 Squ csg leaks
3361'-4434' 335 sx**Basin Fruitland Coal****PERFORATIONS**1986 - 2086'
2112 - 2144'**STIMULATION:**453 Bbls gel, 80,000# 20/40 AZ sd, 350,700 SCF N2
5600# 20/40 AZ sd, 249 Bbls gel, 176,900 SCF N2

TOC 3050' CBL (1999)

DV tool @ 5046'

Cmt plug from 5660' - 5674'. Tagged TOC 5660'

CIPB 6450' w/ 12 sx cmt. Top of plug 6325'

Dakota Perforations
6509' to 6710'PBD= 6791' original
TD= 6808'



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

Attachment to Notice of Intent for Remedial Work

Well: Hancock B #5E

CONDITIONS OF APPROVAL:

- 1.) Farmington Field Office is to be notified at least 24 hours before remedial cementing operations commence (505) 599-8907.
- 2.) Prior approval is to be obtained from the Petroleum Management Team once the necessary remedial cementing work is determined.

Wayne Townsend – (505) 599-6359

Jim Lovato – (505) 599-6367

Steve Mason – (505) 599-6364

BLM CONDITIONS OF APPROVAL

WORKOVER AND RECOMPLETION OPERATIONS:

A properly functioning BOP and related equipment must be installed prior to commencing workover and/or recompletion operations.

SURFACE USE OPERATIONS:

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

STANDARD STIPULATIONS: All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

SPECIAL STIPULATIONS:

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**