

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

4. Location of Well, Footage, Sec., T, R, M

1850' FSL, 1090' FWL, Sec. 29, T-28-N, R-9-W, NMPM

5. Lease Number

NM-03541

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Hancock #6

9. API Well No.

30-045-07154

10. Field and Pool

Basin Dakota

11. County and State

San Juan Co, 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 Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram. The deadline to submit this procedure is 11-15-00.

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

Signed [Signature] Title Regulatory Supervisor Date 11/15/00
TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 12/1/00

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes 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.

Hancock #6

AIN 5062001

Basin Dakota

1850' FSL and 1090' FWL, Section 29, T28N, R9W

San Juan Co., New Mexico

Latitude / Longitude: 36° 37.83' / 107° 49.01'

PLUG & ABANDONMENT PROCEDURE

Project Summary: The Hancock 6 was drilled in 1962 as a Dakota well. The Hancock 6 last produced in 1995 and is not economical to attempt to return to production. Cumulative production is 1,193 MMCF with no remaining reserves. This well is also on the BLM demand list to either return to production or P&A. We propose to plug and abandon the well according to the following procedures.

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.

1. Install and test location rig anchors if necessary. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 204 joints 2-3/8" tubing (6359'). Inspect tubing, if necessary LD and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 6362'.
3. **Plug #1 (Dakota perforations, 6362' – 6262'):** Set 4-1/2" wireline CIBP or cement retainer at 6362'. TIH with open ended tubing and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot and tag subsequent plugs as necessary. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate the Dakota perforations. TOH with tubing.
4. **Plug #2 (Gallup top, 5585' – 5485'):** Perforate 3 HSC squeeze holes at 5585'. If casing tested, then establish rate into squeeze holes. TIH with tubing and 4 1/2" retainer. Set 4-1/2" retainer at 5535'. Pressure test casing above CR and then establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside to cover Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde top, 3683' – 3583'):** Perforate 3 HSC squeeze holes at 3683'. If casing tested, then establish rate into squeeze holes. TIH with tubing and 4 1/2" retainer. Set 4-1/2" retainer at 3633'. Sting into retainer and establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside to cover Mesaverde top. TOH with tubing.
6. **Plug #4 (Chacra top, 3283' – 3183'):** Perforate 3 HSC squeeze holes at 3283'. If casing tested, then establish rate into squeeze holes. TIH with tubing and 4 1/2" retainer. Set 4-1/2" retainer at 3233'. Sting into retainer and establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside to cover Chacra top. PUH to 2114'.
7. **Plug #5 (Pictured Cliffs top, 2114' – 2014'):** Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs top. TOH with tubing.

8. **Plug #6 (Fruitland top, 1880' – 1780')**: Perforate 3 HSC squeeze holes at 1880'. If casing tested, then establish rate into squeeze holes. TIH with tubing and 4 1/2" retainer. Set a 4-1/2" retainer at 1830'. Establish rate below CR into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover Fruitland top. TOH with tubing.
9. **Plug #7 (Kirtland and Ojo Alamo tops, 1210' – 890')** Perforate 3 HSC squeeze holes at 1210'. If casing tested, then establish rate into squeeze holes. TIH with tubing and 4 1/2" retainer. Set a 4-1/2" retainer at 1160'. Establish rate below CR into squeeze holes. Mix 152 sxs Class B cement, squeeze 124 sxs cement outside 4-1/2" casing and leave 28 sxs cement inside casing to cover through Ojo Alamo top. TOH and LD tubing.
10. **Plug #8 (9-5/8" casing-shoe, 349' - Surface)**: Perforate 3 HSC squeeze holes at 349'. Establish circulation out bradenhead. Mix approximately 140 sxs Class B cement and pump down 4-1/2" casing from 349' to surface, circulate good cement out bradenhead. Shut in well and WOC.
11. ND BOP and cut off wellhead below surface casing. Fill casing and annulus as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:

T. Friesenhahn 11-13-00
Operations Engineer

Operations Engineer

Tim Friesenhahn
326-9539 (Office)
324-7031 (Pager)

Production Foreman

Ward Arnold
326-9846 (Office)
326-8340 (Pager)

Approved:

Bruce D. Boyer 11-13-00
• Drilling Superintendent

Sundry Required

YES / NO

Approved:

Gregory C. Allen 11-14-00
Regulatory Approval

TJF/jms

Hancock #6

Current

AIN 5062001

Basin Dakota

SW, Section 29, T-28-N, R-9-W, San Juan County, NM

Latitude / Longitude: 36° 37.83' / 107° 49.01'

Today's Date: 10/9/00
Spud: 5/6/62
Completion: 5/28/62
Re-Completion: 5/7/69
Elevation: 5942' GL

Ojo Alamo @ 940'

Kirtland @ 1160'

Fruitland @ 1830'

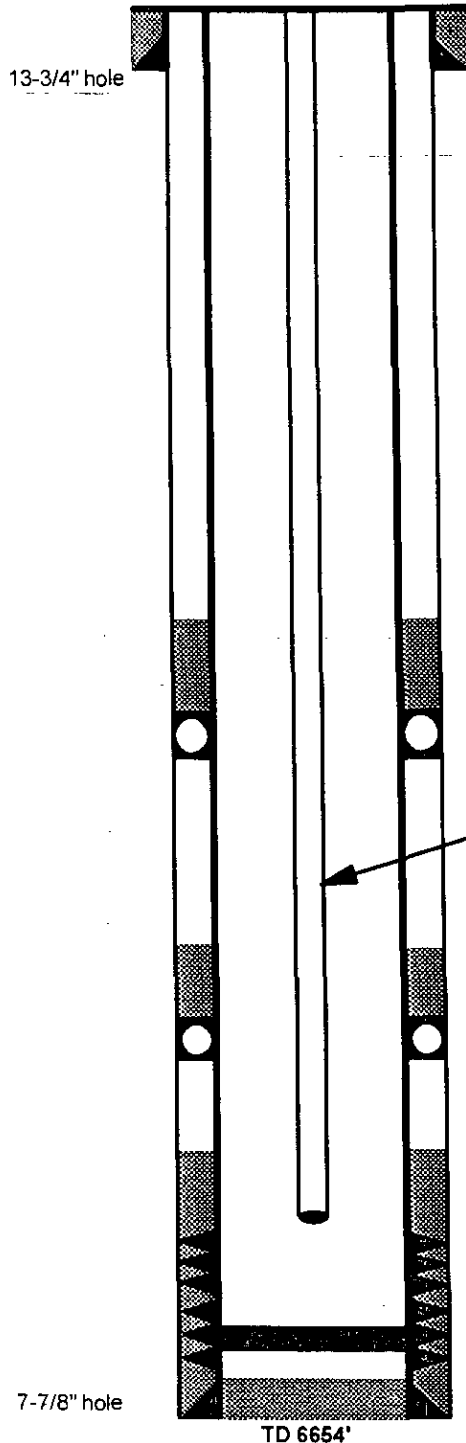
Pictured Cliffs @ 2064'

Chacra @ 3233'

Mesaverde @ 3633'

Gallup @ 5535'

Dakota @ 6476'



9-5/8" 36# J-55 Casing set @ 299'
Cmt with 200 sxs (Circulated to Surface)

Well History

Apr '69: Pull tubing; ran Spinner survey; acidize perforations; set CIBP at 6550'; performate and re-frac; attempt to run production logs, well making too much water and not enough gas to log, land tubing.

In 1989, Production decreased to approximately 10 MCFD and then in 1996 production stopped.

TOC @ 1900' (T.S.)

DV Tool @ 2209'
Cmt w/ 110 sxs

2-3/8" Tubing Set at 6359'
(204 joints, EUE)

TOC @ 3780' (T.S.)

DV Tool @ 4593'
Cmt w/ 240 sxs

TOC @ 5570' (T.S.)

Dakota Perforations:
6412' - 16', 6432' - 36', 6478' - 82',
6500' - 04', 6578' - 82', 6610' - 14'

CIBP set at 6550' (Apr '69)

4-1/2" 10.5# J-55 Casing set @ 6653'
Cemented with 270 sxs

TD 6654'

Hancock #6

Proposed P&A

AIN 5062001

Basin Dakota

SW, Section 29, T28N, R9W, San Juan County, NM

Latitude / Longitude: 36° 37.83' / 107° 49.01'

Today's Date: 10/9/00

Spud: 5/6/62

Completion: 5/28/62

Re-Completion: 5/7/69

Elevation: 5942' GL

13-3/4" hole

Ojo Alamo @ 940'

Kirtland @ 1160'

Fruitland @ 1830'

Pictured Cliffs @ 2064'

Chacra @ 3233'

Mesaverde @ 3633'

Gallup @ 5535'

Dakota @ 6476'

7-7/8" hole

TD 6654'

9-5/8" 36#, J-55 Casing set @ 299'

Cmt with 200 sxs (Circulated to Surface)

Perforate @ 349'

Plug #8 349' - Surface
Cmt with 140 sxs Class B

Cmt Retainer @ 1160'

Perforate @ 1210'

Plug #7 1210' - 890'
Cmt with 152 sxs Class B,
124 outside and 28 inside.

Cmt Retainer @ 1830'

Perforate @ 1880'

Plug #6 1880' - 1780'
Cmt with 51 sxs Class B,
39 outside and 12 inside

TOC @ 1900' (T.S.)

Plug #5 2114' - 2014'
Cmt with 12 sxs Class B

DV Tool @ 2209'
Cmt w/ 110 sxs

Cmt Retainer @ 3233'
Perforate @ 3283'

Plug #4 3283' - 3183'
Cmt with 51 sxs Class B,
39 outside and 12 inside

Cmt Retainer @ 3633'
Perforate @ 3683'
TOC @ 3780' (T.S.)

Plug #3 3683' - 3583'
Cmt with 51 sxs Class B,
39 outside and 12 inside

DV Tool @ 4593'
Cmt w/ 240 sxs

Cmt Retainer @ 5535'
Perforate @ 5585'

Plug #2 5585' - 5485'
Cmt with 51 sxs Class B,
39 outside and 12 inside

TOC @ 5570' (T.S.)

Plug #1 6362' - 6262'
Cmt with 12 sxs Class B

Set CIBP @ 6362'

Dakota Perforations:
6412' - 16', 6432' - 36', 6478' - 82',
6500' - 04', 6578' - 82', 6610' - 14'

CIBP set at 6550' (Apr '69)

4-1/2" 10.5#, J-55 Casing set @ 6653'
Cemented with 270 sxs