

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

2003 AUG 25 PM 5:43 Lease Number  
NMSF077874

1. Type of Well  
GAS

6. If Indian, All. or  
070 Farmington, NM Tribe Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY

7. Unit Agreement Name

3. Address &amp; Phone No. of Operator

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

8. Well Name & Number  
Hanks #139. API Well No.  
30-045-06720

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

1010' FNL, 810' FEL, Sec.12, T-27-N, R-10-W, NMPM

10. Field and Pool  
Fulcher Kutz PC/  
Basin Dakota11. County and State  
San Juan Co, NM

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

## Type of Submission

## Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

## 13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.



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

Signed

Title Regulatory Supervisor Date 8/25/03

TLW

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason

Title

Date

AUG 27 2003

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.

NMOC

## Hanks #13

Fulcher Pictured Cliffs and Basin Dakota

1010' FNL, 810' FEL

Unit A, Section 12, T027N, R010W

Latitude: N36° 35.67', Longitude: W107° 50.454'

AIN: 2718401 (PC)/2718402 (DK)

Plug and Abandonment Procedure 8/21/2003

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.

1. Install and test location rig anchors. 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.
2. Rig up slick line unit and RIH in the PC 2-7/8" casing with a gauge ring. Workover records report a plug set at 1000' and 2250' and do not report they were pulled. If present attempt to retrieve plug at 1000'. RIH and tag plug at 2250'. RD slick line unit.
3. **Plug #1 in 2-7/8" casing (Pictured Cliffs perforations and Fruitland top, 2250' – 1945')**: NU BOP on the 2-7/8" PC casing and test. Prepare a 1-1/4" IJ tubing workstring. If the slick line work did not confirm the deep plug, then set a 2-7/8" wireline CIBP at 2250'. TIH with tubing and tag plug. Load the 2-7/8" casing with water and circulate the well clean. Pressure test the 2-7/8" casing to 500#. If the casing does not test, then spot or tag plugs as appropriate. Mix 15 sxs cement and spot a balanced plug inside casing to isolate the Pictured Cliffs perforations and to cover the Fruitland top. PUH to 1505'.
4. **Plug #2 in 2-7/8" casing (Kirtland and Ojo Alamo Tops: 1505' – 1258')**: Mix 10 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH to 364'.
5. **Plug #3 in 2-7/8" casing (13-3/8" Surface casing, 364' - Surface)**: Establish circulation out the casing valve with water. Mix 11 sxs cement and spot inside the 2-7/8" casing from 364' to surface, circulate good cement out casing valve. TOH and LD 1-1/4" tubing. Shut well in and WOC.
6. ND BOP from 2-7/8" casing and install tapped bull plug. ND wellhead on 4-1/2" (Dakota) casing and NU BOP. Test BOP.
7. TOH, tally, and visually inspect the 2-3/8" tubing, total 6599' (216 joints). Note the fluid level and condition of the tubing. If necessary LD tubing and use a workstring.
8. **Plug #4 in 4-1/2" casing (Dakota Perforations, 6620' – 6520')**: TIH and tag existing CIBP at 6620'. Pump 50 to 75 bbls water down the tubing, attempt to establish circulation to surface. Mix 12 sxs cement and spot a balanced plug inside casing above the existing CIBP to isolate the Dakota perforations. TOH with tubing.
9. **Plug #5 in 4-1/2" casing (Gallup top, 5840' – 5740')**: Perforate 3 squeeze holes at 5840'. Set a 4-1/2" cement retainer at 5790'. Pressure test the tubing to 1000#. Establish injection rate below cement retainer into squeeze holes. Mix and pump 51 sxs cement, squeeze 39 sxs outside the 4-1/2" casing and leave 12 sxs inside casing to cover the Gallup top. TOH with tubing.
10. **Plug #6 in 4-1/2" casing (Mesaverde top, 3915' – 3815')**: Perforate 3 squeeze holes at 3915'. Set a 4-1/2" cement retainer at 3865'. Establish injection rate below cement retainer into squeeze holes. Mix and

pump 51 sxs cement, squeeze 39 sxs outside the 4-1/2" casing and leave 12 sxs inside casing to cover the Mesaverde top. TOH with tubing.

11. **Plug #7 in 4-1/2" casing (Pictured Cliffs perforations and Fruitland top, 2378' - 1945')**: Set a 4-1/2" CIBP or CR at 2250' (50' above the 4-1/2" casing perforations). Mix 28 sxs cement and spot a balanced plug inside casing above the CIBP to isolate the Pictured Cliffs perforations and to cover the Fruitland top. TOH with tubing.
12. **Plug #8 in 4-1/2" casing (Kirtland and Ojo Alamo tops, 1505' - 1258')**: Perforate 3 squeeze holes at 1505'. Set a 4-1/2" cement retainer at 1455'. Establish injection rate below cement retainer into squeeze holes. Mix and pump 301 sxs cement, squeeze 278 sxs outside the 4-1/2" casing and leave 23 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD the tubing. Note: Open bradenhead valve when establishing injection and while pumping cement. Observe bradenhead for flow throughout plug #8.
13. **Plug #9 in 4-1/2" casing (13-3/8" Surface casing, 364' - Surface)**: Perforate 3 squeeze holes at 364'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 300 sxs cement down 4-1/2" casing to circulate good cement out the bradenhead valve. Shut well in and WOC.
14. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:

  
Operations Engineer 8/25/03

Approved:  8/25/03  
Drilling Superintendent

Engineer Jay Paul McWilliams  
Office: 324-6146  
Cell: 320-2586

Sundry Required:

☒ YES ☐ NO

Approved:  8-25-03  
Regulatory Approval

Lease Operator: Robert Paddack  
Specialist: Terry Nelson  
Foreman: Steve Florez

Cell: 486-3331 Pager: 324-2712  
Cell: 320-2503 Pager: 326-8473  
Office: 326-9560 Cell: 320-0029

JPM/kao

# Hanks #13

## Proposed P&A

Fulcher Pictured Cliffs and Basin Dakota

1010' FNL, 810' FEL

Unit A, Section 12, T027N, R010W

Lat: N36° 35.67', Long: W107° 50.454', San Juan County, NM

AIN: 2718401 (PC)/2718402 (DK)

Today's Date: 08/11/03

Spud: 07/19/60

Completed: 09/07/60

Elevation: 6360' GL

17" hole

**Plug #3 PC Casing:**  
**364' - Surface**  
Cement with 11 sxs

Ojo Alamo @ 1308'

Kirtland @ 1455'

**Plug #2 PC Casing:**  
**1505' - 1258'**  
Cement with 10 sxs

Fruitland @ 1995'

Pictured Cliffs @ 2265'

**Plug #1 PC Casing:**  
**2250' - 1945'**  
Cement with 15 sxs

2-7/8" 6.5#, J55 Casing set at 2351'

12-1/4" hole to 2386

Mesaverde @ 3865'

Gallup @ 5790'

Dakota @ 6668'

**4-1/2" Casing multiple holes**  
**from 2328' to 4560'.**

7-7/8" hole  
From 2386' to 6910'

TD 6910'

13-3/8" 48#, J55, Casing set @ 314'  
Cement with 275 sxs, circulated to surface.

**Perforate @ 364'**

**Plug #9 DK: 364' - Surface**  
Cement with 300 sxs

**CR @ 1455'**

**Perforate @ 1505'**

**Plug #8 DK: 1505' - 1258'**  
Cement with 301 sxs,  
278 sxs outside casing  
and 23 inside 4-1/2".

2-7/8" and 4-1/2" TOC @ 1988' (1960)

4-1/2" Casing PT good  
from 2190' to surface.

**Plug #7 DK: 2378' - 1945'**  
Cement with 28 sxs

**Set CIBP @ 2378'**

Pictured Cliffs Perforations:  
2-7/8" Casing: 2284' - 2328'  
4-1/2" Casing: 2300' - 2310'

**Stage Tool @ 2440'**

2nd Stage Cement with 200 sxs (236 cf)

**CR @ 3865'**

**Perforate @ 3915'**

**Plug #6 DK: 3915' - 3815'**  
Cement with 51 sxs, 39  
outside and 12 inside.

**CR @ 5790'**

**Perforate @ 5840'**

**Plug #5 DK: 5840' - 5740'**  
Cement with 51 sxs, 39  
outside and 12 inside.

4-1/2" TOC 5900' (T.S. 1960)

4-1/2" CIBP at 6620' (2003)

Dakota Perforations:  
6668' - 6792'

**Plug #4 DK: 6620' - 6520'**  
Cement with 12 sxs

4-1/2" 9.5&11.6#, J-55 Casing set @ 6897'  
1st Stage Cement with 300 sxs (354 cf)

# Hanks #13

## Current

Fulcher Pictured Cliffs and Basin Dakota

1010' FNL, 810' FEL

Unit A, Section 12, T027N, R010W

Lat: N36° 35.67', Long: W107° 50.454', San Juan County, NM

AIN: 2718401 (PC)/2718402 (DK)

Today's Date: 08/11/03

Spud: 07/19/60

Completed: 09/07/60

Elevation: 6360' GL

17" hole

13-3/8" 48#, J55, Casing set @ 314'

Cement with 275 sxs, circulated to surface.

### Well History

**Aug '85:** Pull tubing and packer. LD 52 joints with holes. Clean out fill down to 6784', unable to get deeper. Acidize well. Set model R packer with tubing. Return to production.

**July '03: Planned Re-stim:** Set plug in 2-7/8" casing at 2250' and PT to 1500#. Set second plug at 1000'. Found 2-3/8" Dakota tubing stuck, cut and fish out packer. Set CIBP at 6620'. Used packer and RBP to isolate casing leaks in 4-1/2" from 2328' to 4560'. Casing PT from 2900' to surface. Land tubing without packer. Plan to P&A well.

2-7/8" and 4-1/2" TOC @ 1988' (1960)

4-1/2" Casing PT good from 2190' to surface.

2-3/8" Tubing set at 6599' (216 joints, EUE, no packer)

Pictured Cliffs Perforations:

2-7/8" Casing: 2284' - 2328'

4-1/2" Casing: 2300' - 2310'

Stage Tool @ 2440'

2nd Stage Cement with 200 sxs (236 cf)

4-1/2" Casing multiple holes from 2328' to 4560'.

4-1/2" TOC 5900' (T.S. 1960)

4-1/2" CIBP at 6620' (2003)

Dakota Perforations:

6668' - 6792'

4-1/2" 9.5&11.6#, J-55 Casing set @ 6897'  
1st Stage Cement with 300 sxs (354 cf)

2-7/8" Plug at 1000' (2003)

Ojo Alamo @ 1308'

Kirtland @ 1455'

Fruitland @ 1995'

2-7/8" Plug at 2250' (2003)  
Casing PT to 1500#, held OK

Pictured Cliffs @ 2265'

2-7/8" 6.5#, J55 Casing set at 2351'

12-1/4" hole to 2386

Mesaverde @ 3865'

Gallup @ 5790'

Dakota @ 6668'

7-7/8" hole  
From 2386' to 6910'

TD 6910'