

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

Sundry Notices and Reports on Wells

97 FEB 25 PM 1:25

070 FARMINGTON, NM

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

790' FNL, 1850' FWL, Sec. 22, T-30-N, R-10-W, NMPM

C

5. Lease Number  
NM-0555078

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Helms Federal #1A

9. API Well No.  
30-045-22169

10. Field and Pool  
Aztec Pictured Cliffs/  
Blanco Mesaverde

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 - Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to commingle the subject well according to the attached procedure and wellbore diagram. A down hole commingling order will be applied for with the New Mexico Oil Conservation Division.

RECEIVED  
MAR - 7 1997  
OIL CONSERVATION  
DIVISION

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

Signed [Signature] (MEL5) Title Regulatory Administrator Date 2/25/97

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title \_\_\_\_\_

Date MAR - 5 1997

CONDITION OF APPROVAL, if any:

[Signature]  
NMOC

## **Helms Federal 1A**

Mesaverde / Pictured Cliffs  
Unit C, Section 22, T30N, R10W  
Lat. 36-48.17', Long. 107-52.44'  
Commingle Workover Procedure 12/15/96

1. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Dig flowback pit or set flowback tank. Install 1x400 bbl rig tank and fill w/ 2% KCL water.
2. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP.
3. TOO H w/ 1-1/4" Pictured Cliffs tubing set at  $\pm$  2998'. TOO H w/ 1-1/2" Mesaverde tubing set at 5247' and Baker Model "G" seal assembly and lay down. Inspect tubing and report any scale build up. (An acid wash may be necessary and will be pumped in step 6.)
4. PU Baker CJ milling tool on 2-3/8" tubing and TIH. Mill on Baker Model "F" packer with air/mist (minimum mist rate is 10 Bbls/hr). Recover packer and TOO H.
5. PU 3-7/8" bit and 4-1/2", 10.5# casing scraper on 2-3/8" workstring and clean out to PBTD of  $\pm$  5400'. Obtain pitot gauge and record on morning report.
6. If tubing did not have excessive scale in Step 3, skip to Step 7. RU acid truck and pump 300 gallons of inhibited 15% HCL down tubing followed by air/mist. Allow acid to spend for 15 minutes then displace from hole.
7. PU above the Pictured Cliffs perforations @ 2976' and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge from MV and PC after clean up. TOO H w/ bit and scraper.
8. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, a seating nipple (one joint off of bottom), then the remaining 2-3/8" production tubing. CO to PBTD. Land tubing near bottom perforation (5300').
9. ND BOP, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up the tubing. If well will not flow on it's own, make swab run to seating nipple. If a swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Recommend: M.E. Lutey  
Production Engineer

Approval: \_\_\_\_\_  
Drilling Superintendent

Approval: Andre Walker Jr 2/7/97  
Northwest Basin Team Leader

**Contacts:**

**Engineers:**

Mary Ellen Lutey  
Office - (599-4052)  
Home - (325-9387)  
Pager - (324-2671)

Lori Lantz  
Office - (599-4024)  
Home - (324-0692)

MEL:mel

# Helms Federal #1A

## Unit C, Sec. 22, T30N, R10W

Location: 790' FNL, 1850' FWL  
San Juan County, NM

Latitude: 36-48.17'  
Longitude: 107-52.44'

Current Field: Aztec PC/Blanco Mesaverde  
Spud: 12/ 4/76  
Elev GL:  
TD: 5426'

Logs Run: E.S.-Ind.; GR-Den.;TS; GR Cor.  
Completed: 1/ 5/77  
Elev KB: 6350'  
PBTD: 5400'

### CASING RECORD:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
13-3/4"	10-3/4"	30#	X-42	218'	150 sx	Surface (circ.)
8-3/4"	7"	23#	J-55	3151'	230 sx	Unknown

### LINER RECORD:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
6-1/4"	4-1/2"	9.5# & 10.5#	J-55 & K-55	3033'-5426'	310 sx	Unknown

### TUBING RECORD:

<u>Tubing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Joints</u>	<u>Other</u>	<u>Depth</u>
1-1/2" MV	2.9#	J-55	5247'	160		
1-1/4" PC	2.3#	J-55	2998'	91		
Baker Model F PKR Float Collar @3125' & @5400'						4558'

### FORMATION TOPS:

Ojo Alamo	1678'	Pictured Cliffs	2980'	Pt Lookout	5247'
Kirtland	1766'	Cliffhouse	4565'	Gallup	—
Fruitland	2586'	Menefee	4750'	Dakota	—

### Completions:

Mesaverde  
Perfs: 4621'-5300'  
Frac'd w/80,000 gal water & 80,000# sand.

Pictured Cliffs  
Perfs: 2976'-2997'  
Frac'd w/25,000 gal water & 25,000# sand.

### Cementing Information

10-3/4" csg: 150 sx Class B cmt.  
7" csg: 230 sx 65/35/12 Class B  
4-1/2" csg: 310 sx 50-50 POZ mix.

### Workover History:

5/19/83 Ran 1-1/2" tbg. Reran 1-1/4" IJ tbg.

MEL:plh 1/29/97

# HELMS FEDERAL #1A

AS OF 1/13/97

AZTEC PICTURED CLIFFS/BLANCO MESAVERDE.

790' FNL, 1850' FWL

UNIT C, SEC 22, T30N, R10W, SAN JUAN COUNTY, NM

