State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-26232

1. **Type of Well**
GAS

5. **Lease Number**

6. **State Oil&Gas Lease #**
E-2942-2

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY LP**

7. **Lease Name/Unit Name**
Huerfano Unit NP

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well No.**
194E

9. **Pool Name or Wildcat**
Gallegos Gallup

4. **Location of Well, Footage, Sec., T, R, M**
890'FSL, 1750'FWL, Sec.16, T-26-N, R-10-W, NMPM, San Juan County

10. **Elevation:**

Type of Submission	**Type of Action**	
_X_ Notice of Intent	_X_ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	___ 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.

SIGNATURE Nancy Oltmans Senior Staff Specialist August 18, 2004

(This space for State Use)

Approved by _____ **Title** _____ **Date** _____

DEPUTY OIL & GAS INSPECTOR, DIST. #3 AUG 19 2004

Huerfano #194E -- Gallup
PLUG AND ABANDONMENT PROCEDURE

1750' FWL & 890' FSL
SW, Section 16, T026N, R010W
Latitude: N36°29.478', Longitude: W107°54.324'
AIN: 5395102
8/17/2004

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. **Cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 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. ND wellhead and NU BOP. Test BOP.

2. TOH and tally 195 joints 2-3/8" tubing. Inspect tubing and if necessary, LD and PU a workstring. Round-trip 4-1/2" gauge ring to 5702'.

3. **Plug #1 (Gallup perforations, 5702' - 5652'):** TIH and set 4-1/2" CR at 5702. Pressure test tubing to 1000#. Load the casing and circulate the well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 10 sxs Type III cement (with a 14.5 ppg weight due to bottom hole temperature) and spot above the CR to isolate the Gallup perforations. TOH with tubing.

4. **Plug #2 (Gallup top, 5575' – 5475'):** Perforate 3 squeeze holes at 5575'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set a 4-1/2" cement retainer at 5525'. Establish rate into squeeze holes. Mix and pump 46 sxs Type III cement (with a 14.5 ppg weight due to bottom hole temperature), squeeze 35 sxs outside the casing and leave 11 sxs inside casing. PUH to 3660'.

5. **Plug #3 (Mesaverde top, 3660' – 3560'):** Mix 11 sxs Type III cement (14.8 ppg) and spot a balanced plug inside casing to cover through the Mesaverde top. If the casing leaks, then increase the cement an appropriate amount to insure a tag. TOH with tubing.

6. **Plug #4 (Chacra top, 2985' – 2885'):** Perforate 3 squeeze holes at 2985'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4-1/2" cement retainer at 2935'. Establish rate into squeeze holes. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing. PUH to 2106'.

7. **Plug #5 (Pictured Cliffs and Fruitland tops, ~~2106'~~ 2166' – 1785'):** Mix 25 sxs Type III cement and spot a balanced plug inside casing to cover through the PC and Fruitland tops. PUH to 1341'.

8. **Plug #6 (Kirtland and Ojo Alamo tops, 1341' – 1070'):** Mix 22 sxs Type III cement and spot a balanced plug inside casing to cover the Kirtland and Ojo Alamo tops. PUH to 282'.

9. **Plug #7 (8-5/8" Surface casing, 282' - Surface):** Pressure test bradenhead annulus to 300#. If it tests, then mix approximately 25 sxs Type III cement and spot a balanced plug inside casing from 282' to surface, circulate good cement out casing valve. TOH and LD tubing.
10. If the bradenhead annulus does not test, then perforate at the appropriate depth. Establish circulation to surface out the bradenhead valve. Then spot cement inside the casing from 288' to surface to cover the surface casing shoe at 232' and then circulate cement to the surface out the bradenhead valve, filling the BH annulus.

11. 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

Approved: _____ Drilling

Superintendent

Engineer Office - (599-4043)
Cell - (320-0321)

Sundry Required: YES

Approved: _____

Huerfano #194E

Proposed P&A

AIN #5395102

Gallegos Gallup Ext.

SW, Section 16, T-26-N, R-10-W, San Juan County, NM

Long: N: 36^29.478 / Lat: 107^54.324, API #30-045-26232

Today's Date: **8/16/04**

Spud: 4/22/85
Completed: 5/20/85

Elevation: 6564' GL
6576' KB

Ojo Alamo @ 1120'

Kirtland @ 1291'

Fruitland @ 1835'

Pictured Cliffs @ 2056'

Chacra @ 2935'

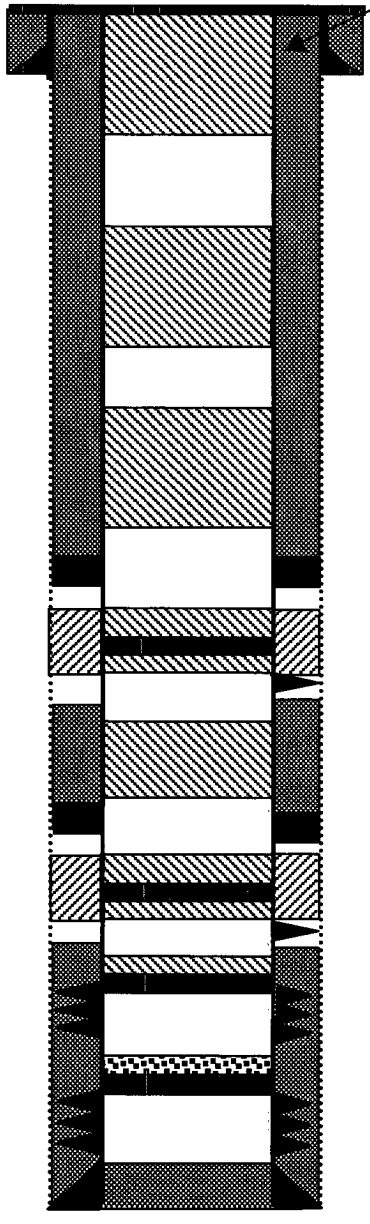
Mesaverde @ 3610'

Gallup @ 5525'

Dakota @ 6526'

12-1/2" hole

7-7/8" Hole



TD 6700'
PBTD 6282'

TOC @ Surface ('91 CBL)
8-5/8" 24# J-55 Casing set @ 232'
Cement with 200 cf (Circulated to Surface)

Plug #7: 282' – Surface
Type III Cement, 25 sxs

Plug #6: 1341' – 1070'
Type III Cement, 22 sxs

Plug #5: 2106' – 1785'
Type III Cement, 25 sxs

DV Tool @ 2406'
Cement with 689 sxs (1116 cf)

Cmt Retainer @ 2935'
Perforate @ 2985'

Plug #4: 2985' – 2885'
Type III Cement, 46 sxs,
35 outside and 11 inside.

TOC @ 3540' (CBL)

Plug #3: 3660' – 3560'
Type III Cement, 11 sxs

DV Tool @ 4903'
Cement with 370 sxs

Cmt Retainer @ 5525'
Perforate @ 5575'

Plug #2: 5575' – 5475'
Type III Cement, 46 sxs,
35 outside and 11 inside.

TOC @ 5670' (CBL)
Set CR @ 5702'

Plug #1: 5702' – 5652'
Type III Cement, 10 sxs

Gallup Perforations:
5752' – 5955'

Cap CIBP with 10 sxs cement (Aug 1991)

4-1/2' CIBP set at 6510' (Jan 1991)

Dakota Perforations:
6544' – 6609'

4-1/2" 10.5/11.6# J-55 Casing set @ 6691'
Cement with 253 sxs (346 cf)

Huerfano #194E

Current

AIN #5395102

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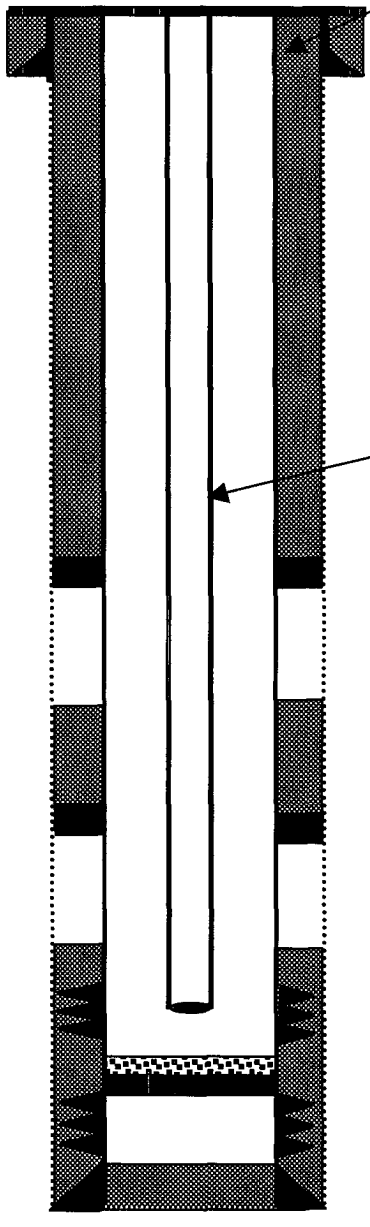
7-7/8" Hole



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PBTD 6282'

TOC @ Surface ('91 CBL)

8-5/8" 24# J-55 Casing set @ 232'
Cement with 200 cf (Circulated to Surface)

WELL HISTORY

Jan '91: P&A Dakota: Set 4-1/2" CIBP at 6510'. Ran CBL.

Aug '91: Gallup Completion: Spot 10 sxs cement above CIBP to isolate the Dakota. Perforate and frac the Gallup zone. CO to PBTD. Land tubing.

2-3/8" tubing at 6020'
(195 joints, SN 5967')

DV Tool @ 2406'
Cement with 689 sxs (1116 cf)

TOC @ 3540' (CBL)

DV Tool @ 4903'
Cement with 370 sxs (600 cf)

TOC @ 5670' (CBL)

Gallup Perforations:
5752' – 5955'

Cap CIBP with 10 sxs cement (Aug 1991)

4-1/2' CIBP set at 6510' (Jan 1991)

Dakota Perforations:
6544' – 6609'

4-1/2" 10.5/11.6# J-55 Casing set @ 6691'
Cement with 253 sxs (346 cf)