UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Tribe Name GAS 7. Unit Agreement Name Name of Operator BURLINGTON OIL & GAS COMPANY 8. Well Name & Number Huerfano Unit NP 1 Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 9. API Well No. 30-045-09730 10. Field and Pool	Type of Well GAS	rts on Wells	5.	Lease Number
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HUERFANO UNIT NP #116

Gallup 990' FNL & 1652' FWL

Unit C, Section 11, T026N, R010W

Latitude / Longitude: N36° 30.432' / W107° 52.146'

AIN: 5306001

Plug and Abandon Procedure - 8/13/2002

Project Summary: The Huerfano Unit #116 and NP #116 Dakota-Gallup hybrid well was drilled and completed in 1961. Three casing strings have been cemented at three different horizons in a common 8-3/4"wellbore. The Dakota and Gallup formations each are producing from a separate 2-7/8" casing string. An 1-1/4" casing string was cemented to the Pictured Cliffs horizon but was never completed. We propose to P&A the Gallup string. Wireline reports show sand at the midpoint of the Gallup perforations. Prior Gallup production was 3MCFD in 1998; cumulative Gallup production is 437MMCF.

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. 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. Hold safety meeting. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Notify BROG Regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
- 2. MOL and RU wireline unit. Obtain and record all wellhead pressures. RU WL lubricator. Blow Gallup side down and kill with 2% KCl water if necessary.
- 3. Plug #1 -- 2-7/8" Gallup String (Gallup Top, 5846-5946'): WL set a CR for 2-7/8" 6.4# J-55 tubing at 5946', 50' above the Gallup perforations (5996-6192'). Load casing with water and pressure test casing to 500#. Cement plug will have to be tagged to verify top of cement inside casing if casing does not pressure test. Mix 4 sxs cement (5 cuft) and dump bail a 100' plug inside casing above the CR to isolate the Gallup perforations.

4. ND Gallup flow lines and master valve. Install tapped bull plug and ball valve for pressure monitoring. Height of bull plug and ball valve need to be below DK master valve; coiled tubing unit will follow wireline unit to C/O Dakota casing.

Recommended:

Approved:

Bong 8.2002 ger / Ale 8-20-02 Drilling Manager

Bruce Boyer

Sundry Required:

Approved:

Peggy Cole

Operations Engineer: Lease Operator:

Johnny Cole

Mike Wardinsky599-4045 (Office) Ramon Florez 320-2506 (Cell) 320-2521 (Cell)

320-5113 (Cell) 324-8718 (Pager)

Specialist: Foreman:

Wayne Ritter

326-9818 (Office)

326-8349 (Pager) 320-0436 (Cell)