UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-079266

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

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

8. **Well Name & Number**
Vaughn #32

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

9. **API Well No.**
30-039-22199

4. **Location of Well, Footage, Sec., T, R, M**
1530'FSL 1450'FWL, Sec.29, T-26-N, R-6-W, NMPM

10. **Field and Pool**
Mesaverde/Gallup/DK

11. **County and State**
Rio Arriba Co, NM

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

Type of Submission	Type of Action		
_X_ Notice of Intent	___ 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	
	_X_ Other -		

13. **Describe Proposed or Completed Operations**

It is intended to install a pump in the subject well according to the attached procedure.

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

Signed Peggy Bradfield (KLM3) Title Regulatory Administrator Date 1/21/99

TLW

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title Team Lead, Petroleum Management Date FEB 19 1999
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.

NMOCD

Vaughn No. 32

Mesa Verde / Gallup / Dakota - Trimingled
1530' FSL, 1450' FWL
Unit K, Section 29, T26N, R06W
Latitude / Longitude: 36° 27.2324'/ 107° 29.6814'
AIN: 4394001 / 4394002 / 4394003
Rod Pump Installation Procedure

Project Summary: The Vaughn No. 32 was originally drilled in 1980 as a Dakota producer. In 1996 the Mesa Verde and Gallup were added to the well and trimingled with the Dakota. During the Mesa Verde completion the reports indicated heavy oil production. After the recompletion this well had severe loading problems. The lease operator indicates that a plunger was tried for a brief period and resulted in 7-8 BOD and 80 MCFD, but it could not keep the well unloaded. A recent wireline check (1/99) found the fluid level at 5150'. The well currently produces up the casing with 110 psi FCP and 875 psi tubing pressure. We propose to install a rod pump to keep this well unloaded. The original deviation surveys indicate a 2-1/2 degree dogleg at approximately 2000' so rod guides will be necessary in the upper portion of the hole.

1. Hold safety meeting. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping <u>any</u> cement job. If an unplanned cement job is required, <u>approval is required before the job can be pumped</u>. <u>If verbal approval is obtained, document approval in DIMS/WIMS</u>. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.**

2. Production operations will install a Lufkin C228-213-86 pumping unit with the Pitman arms in the short-stroke (60") hole and sheaved to run at 5 SPM.

3. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water if necessary. NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.

4. The tubing is 2-3/8", 4.7#, J-55 set at 7109'. The tally indicates that there is no seating nipple in this well. Release donut, pick up additional joints of tubing and tag bottom (record depth.) PBTD should be at +/- 7225' (recently confirmed with wireline). TOOH with tubing. Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale build up and notify Operations Engineer.

5. If fill covers any perforations then TIH with 3-7/8" bit and a watermelon mill on 2-3/8" tubing and clean out to PBTD with air/mist. PU above the perforations and flow the well naturally, making short trips for clean up when necessary. TOOH with tubing. **NOTE: When using air/mist, minimum mist rate is 12 bph.**

6. TIH with 1 joint 2-3/8" tubing with a purge valve on bottom, 8' perforated sub, 1.78" ID SN and 2-3/8" production tubing with a wirleline retrievable plug in the SN and a Tubing Anchor Catcher (TAC) located at approximately 4700' in the string. Rabbit all tubing.

7. Land tubing at approximately 7170' and set the TAC. ND BOP and NU wellhead. Rig up wireline and retrieve plug from SN.

8. RIH with 8' Johnson Sand Filter (strainer nipple type with 12 mil slots, 1-8' piece), 2" X 1.25" X 10' X 14' RHAC-Z insert pump, from Energy Pump & Supply, 4975' (199 rods) of 3/4" Grade D rods with T couplings (rod guides on top 1000' of ¾" rods), and 2150' (86 rods) of 7/8" Grade D rods with slim-hole couplings and rod guides on all 7/8" rods. Use 7/8" pony rods with slim-hole couplings to properly space out pump. Configure wellhead according to the attached diagram. Test pump action and hang on jack. RD and MOL. Return well to production.

Recommended: K. Midkiff 1/11/99 Approved: Bruce W. Boyd 1-12-99

Operations Engineer Drilling Superintendent

Kevin Midkiff
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