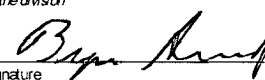
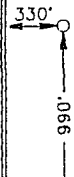


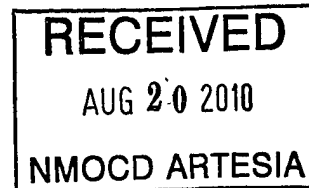
16			
			<p style="text-align: center;"><b>17 OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i></p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">         Signature     </div> <div style="text-align: center;">       08/19/2010        Date     </div> </div> <p style="text-align: center;">Bryan Arrant</p> <p>Printed Name</p>
			<p style="text-align: center;"><b>18 SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p style="text-align: center; font-size: 1.2em;">Please refer to original Plat</p> <p>Certificate Number</p>



330'

990'

**Pogo 36 State 2**  
**Eddy County, New Mexico**  
**Re-enter and Convert to SWD Procedure**



**Date:** April 14, 2010

**Location:** 990' FSL & 330' FWL Sec. 36-T25S-R29E

**Casing:** 5 1/2" 15.5# K-55 0-5,900' ID - 4.950", Drift - 4.825", Burst - 4,810 psi

**PBTD/TD:** 0'/5,900'

**Current Perfs:** Bell Canyon 3,262-84' (below CIBP)  
Brushy Canyon 5,680-5,710 (below CIBP)

**Propose Perfs:** Cherry Canyon 4180-5115'

**Recommended Procedure:**

1. Dig out casing and secure casing stub. MIRU PU. NU BOP. Unload, rack and tally 2 7/8" L-80 work string.
2. RIH w/ 4 3/4" bit and drill collars on tbg. Drill out cement plugs to CIBP @ 3,212'. Drill out CIBP's @ 3,212', and 3,450'. Continue to clean out to cement on top of CIBP @ 5,350'. Do not drill out CIBP @ 5,350'. POH w/ bit.
3. RIH w/ cement retainer on tubing. Set retainer at 3,200'. Shear off the retainer, and sting back into it. Establish injection into perfs 3,262-84'. Squeeze off perfs 3,262-84' per squeeze recommendation. Sting out of retainer and POH w/ tubing.
4. RIH w/ 4 3/4" bit and drill collars on tubing. Drill out cement retainer and cement down to 5,350'. Pressure test squeeze to 500 psi. POH w/ bit.
5. RU wireline co. Perforate Cherry Canyon 5060-5115', 1 spf w/ HSC gun.
6. RIH packer on 2 7/8" tbg to 4,900'. Acidize perfs 5060-5115' w/ 5,000 gal 15% NEFE acid. Frac perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/ packer.
7. RU wireline co. Set Composite BP @ 5,000'. Perforate Cherry Canyon 4590-4610', 4630-56', 4,710-80' 1 spf w/ HSC gun.
8. RIH packer on 2 7/8" tbg to 4,500'. Acidize perfs 4590-4780' w/ 5,000 gal 15% NEFE acid dropping 175 perf balls evenly throughout job. Release packer and drop down through perfs and knock off balls. Pull packer back up to 4,500'. Frac perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/ packer.
9. RU wireline co. Set Composite BP @ 4,500'. Perforate Cherry Canyon 4180-4210', 4240-70', 4,310-30' 1 spf w/ HSC gun.
10. RIH packer on 2 7/8" tbg to 4,100'. Acidize perfs 4180-4330' w/ 5,000 gal 15% NEFE acid dropping 120 perf balls evenly throughout job. Release packer and drop down through perfs and knock off balls. Pull packer back up to 4,100'. Frac perfs per frac recommendation (anticipate 50,000# sand in X-linked fluid at 30 BPM). POH w/ packer.
11. RIH w/ 4 3/4" bit and drill collars on tubing. Drill BP's @ 4,500' and 5,000'. Cleanout to 5,350'. POH w/ bit.
12. RIH w/ 2 3/8" plastic lined tbg and 5 1/2" Lock-set packer to 4,150'. Load back side with packer fluid. Set packer and pressure test to 500 psi.
13. ND BOP. NU WH. Rig down.

# WORKOVER PROPOSAL WBD

WELL: Pogo 36 State 2  
 FIELD: North Brushy Draw Delaware  
 COUNTY / STATE: EDDY / NEW MEXICO  
 LOCATION: SEC 36-25S-29E 990 FSL & 330 FWL  
 ELEVATION: 3,044.00 GR 3,052.00 RKB

API: 3001527399  
 SPUD DATE: 8/24/1993

