In Lieu of

# UNITED STATES

| (June 1990) BUREAU OF LAND MANAGEMENT   | FORM APPROVED Budget Burcau No. 1004-0135                 |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|
|   | mington Field Office 5. Lease Designation and Serial No.  |  |  |  |  |  |  |
| TO DRILL" for permit for such proposals   | 6. If Indian, Allottee or Tribe Name JICARILLA APACHE     |  |  |  |  |  |  |
| SUBMIT IN TRIPLICATE  | 7. If Unit or CA, Agreement Designation JICARILLA 92      |  |  |  |  |  |  |
| Type of Well     Oil Well X Gas Well     Other  | 8. Well Name and No.  JICARILLA 92 #2                     |  |  |  |  |  |  |
| Name of Operator     WILLIAMS PRODUCTION COMPANY  | 9. API Well No.<br>30-039-06897                           |  |  |  |  |  |  |
| <ol> <li>Address and Telephone No.</li> <li>PO BOX 3102 MS 25-4, TULSA, OK 74101 (918) 573-3046</li> </ol>                | 10. Field and Pool, or Exploratory Area BLANCO MESA VERDE |  |  |  |  |  |  |
| 4. Location of Well (Footage, Sec., T., R., M, or Survey Description) 1650' FSL, 1460' FWL, NE/4 SW/4, SEC 29, T27N, R03W | 11. County or Parish, State RIO ARRIBA, NM                |  |  |  |  |  |  |
| CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |  |  |  |  |  |  |

TYPE OF SUBMISSION TYPE OF ACTION Abandonment ∃ Notice of Intent Change of Plans Recompletion New Construction Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Conversion to Injection Altering Casing FOther PACKER REMOVAL Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form )

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is 13. directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

RCUD NOV 25 '08

OIL CONS. DIV.

DIST. 3

### PLEASE SEE ATTACHED FOR WORKOVER PROCEDURE:

| (This spac | for Federal or State office use) |       |    |      |              |
|------------|----------------------------------|-------|----|------|--------------|
| Approved   | I X Vm un                        | Title | 15 | Date | NOV 2 1 2008 |



### **MEMORANDUM**

**To:** Bobby Goodwin and Matt Lain From: Production Optimization Team

**Date:** 11/14/08

Subject: Jicarilla 92 # 2 packer removal

#### Recommendation

We recommend removing a 5" Model R Packer w/ Packer Elements between the Point Lookout (PL) and Cliff House/Menefee (CH/MN) zones in the subject well. Williams E&P added the CH/MN zones in Jan 2005, and shortly afterwards, we isolated the PL and CH/MN zones with a packer to elevate water influx problems from the CH/MN zones. Since that time, the CH/MN zones have shown potential to produce condensate and gas up the casing. It is our recommendation to remove the isolation packer and produce PL/CH/MN together and evaluate production over a 6 month period. If in 6 months, we see a water influx problem and a decrease in production, we will recommend that the CH/MN zones be permanently isolated from the wellbore with a squeeze job.

Justin Stolworthy

**Production Engineer** 

# Workover Procedure Jicarilla 92 # 2

1650' FSL and 1460' FWL NE/4 SW/4 Sec 29(K), T27N, R3W Rio Arriba, New Mexico

Purpose for Work: Removing the production packer (5" Model R Packer w/ Packer Elements) between the Point Lookout (PL) and Cliff House/Menefee (CH/MN) zones in the subject well to evaluate PL/CH/MN production potential.

**Critical Information:** This well has a 5" Liner

**Deliver to Location:** 500' of 2-3/8" 4.7# J-55 tubing & 8' 2-3/8" pup joint

|        | Depth     | Weight | Туре | OD     | ID    | Drift | BF/ft   | Burst |
|--------|-----------|--------|------|--------|-------|-------|---------|-------|
| Casing | TOL 4141' | 23.0#  | N-80 | 7"     | 6.366 | 6.241 | 0.0393  | 6340  |
| Liner  | 6366'     | 15.0#  | J-55 | 5"     | 4.408 | 4.283 | 0.0188  | 5700  |
| Tubing | 6203'     | 4 .7 " | J-55 | 2-3/8" | 1.995 | 1.901 | 0.00386 | 7700  |

### G.L. 7183'.

Correlate perf depths to 1/6/61 WELEX Radioactivity Log. Measured from K.B. 11.0 ft above G.L.

- 1. MIRUSU.
- 2. Kill tubing if necessary. ND wellhead and NU BOP. Rig up flowback tank if necessary.
- 3. Release 5" Model R packer w/ Packer elements & TOH w/2-3/8" tubing and visually inspect. Replace bad joints.
- 4. RIH and tag fill with 2-3/8" workstring, clean out to PBTD.
- 5. RIH with 2-3/8" workstring, RBP and isolation packer.
- 6. Set RBP at  $\sim 6200$ '.
- 7. PUH and set isolation packer at ~6100'.
- 8. Spot 1500 gals of inhibited 15% HCL acid across PL formation. Let acid stand in place for 30 min.
- 9. Release isolation packer, unload well and flowback spent acid.
- 10. RBIH and latch RBP.
- 11. Set RBP at ~6100'.
- 12. PUH and set isolation packer at ~5700'.
- 13. Spot 1500 gals of inhibited 15% HCL acid across CH/MN formations. Let acid stand in place for 30 min.
- 14. Release isolation packer, unload well and flowback spent acid.
- 15. RBIH and latch RBP, POOH.
- 16. LD RBP & Isolation packer.

17. TIH with 1 joint (+/- 8') of 2-3/8" tbg, a 1.78" SN, and the balance of the 2-3/8" tubing.

## Note: Place EOT @ within a joint of 6140' to ensure optimal tubing placement

- 18. RDMO
- 19. MI swabbing unit to kick off well.
- 20. Return well to production.

### JICARILLA 92 #2 BLANCO MESAVERDE Proposed Schematic

