

# CDX GAS

Jicarilla C-6E

Status as of 10/18/2004

MV Recompletion

API # 30-039-22578

Lic #

Sec 14, T26N-R5W

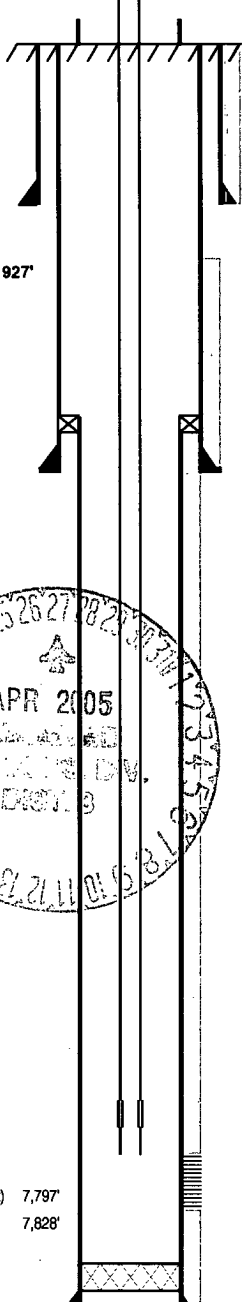
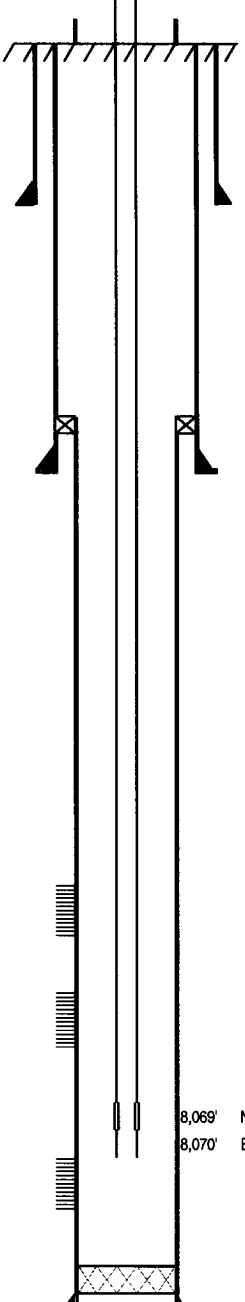
AFE # 4377

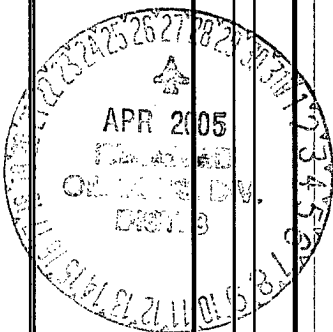
AFE \$ 213,127

## WELLBORE SCHEMATIC Before Workover

## SECTION COMMENTS

## PROPOSED WELLBORE SCHEMATIC After Workover

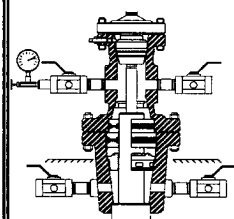
|                                                                                                    |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------|------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TOC 927'</p> | KB               | 7,233.0' | This well has a production liner that will not withstand frac pressures. Both fracs will be pumped down tubing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | THF              | 0.0'     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | CF               | 0.0'     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Ground           | 7,221.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Spud Date        | 5/19/81  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Surface Casing   | 347.0'   | 9-5/8, 36#, J55<br>300 sx cmt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                    | Ojo Alamo        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Kirtland         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Fruitland        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Pictured Cliffs  |          | Liner hanger pressure tested to 1,000 psi (6/81)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                | Int Casing       | 4,354.0' | 7, 23#, K-55 - (Burst - 4,360 psi)<br>700 sx cmt (TOC est at 927')                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                    | Chacra           | 4,744.0' | <b>Proposed operation:</b><br>1. Run GR/CBL/Neutron log across Mesaverde.<br>2. Set 4 1/2" BP at 6200'.<br>3. Ready well to frac down 2-7/8 work string.<br>4. Perf and frac Point Lookout and Lower Menefee.<br>5. Set 4 1/2" composite BP at ~5800'.<br>6. Perf and frac Cliffhouse and Upper Menefee.<br>7. Flowback frac and allow well to log off.<br>8. Drill out bridge plugs.<br>9. Cleanout and test Mesaverde and Dakota for allocation purposes.<br>10. Run tubing and place on production.<br><br><b>Proposed:</b><br><b>Cliffhouse &amp; Menefee:</b><br>5531-5757 25 shots<br>Frac stage 2: 60,000 lb prop, x-linked-60Q foam<br><br><b>Point Lookout:</b><br>5926-6107 25 shots<br>Frac stage 1: 60,000 lb prop, 20 lb x-linked |
|                                                                                                    | Mesaverde        | 5,496.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Gallup           | 7,197.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Dakota Perfs     | 8,059.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    |                  | 8,140.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    |                  | 8,167.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    |                  | 8,187.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    |                  | 8,215.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    |                  | 8,254.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | PBTD             | 8,268.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | TD               | 8,277.0' |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Production Liner | 8,275.0' | 4-1/2, 10.5 & 11.6#, J55 (TOL 4205')<br>425 sx cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



F Nipple (est) 7,797'  
EOT 7,828'

8,069' Nipple  
8,070' EOT

## Wellhead Data



|               | Primary Contractors | Phone | Tubing Detail (Estimated, no records) |                       | Length | Depth |
|---------------|---------------------|-------|---------------------------------------|-----------------------|--------|-------|
|               |                     |       | No                                    | KB to THF (Estimated) |        |       |
| Bonnet        | Rig                 |       |                                       |                       |        |       |
|               | Log / Perf          |       |                                       |                       |        |       |
| Tubing Spool  | OCTG                |       |                                       |                       |        |       |
|               | Wellhead            |       |                                       |                       |        |       |
|               | Testers             |       |                                       |                       |        |       |
| Casing Flange | Water Tr            |       |                                       |                       |        |       |
|               |                     |       |                                       |                       |        |       |
|               |                     |       |                                       |                       |        |       |
|               |                     |       |                                       |                       |        |       |