| STATE OF N EV  | V MEXICO             |                    |                       |               |               |              | Re v 1         | ised 10-1-78              |  |
|--|----------------------|--------------------|-----------------------|---------------|---------------|--------------|----------------|---------------------------|--|
| ENERGY AND MINERAL   | S DEPARTMENT         |                    |                       |               |               | /            |                |                           |  |
| 40. 07 CHPIES R(CC)  | v C D                | OIL                | CONSERVA              | TION D        | IVISION       |              | 5a. Indicate   | Type of Lease             |  |
| DISTRIBUTION   |                      | P. O. BOX 2088     |                       |               | State X       | Fee          |                |                           |  |
| SANTA FE   |                      | SAI                | NTA FE, NEW           | MEXICO        | 875,01        |              | 5. State Cil   | & Gas Lease No.           |  |
| FILE   |                      |                    |                       |               |               |              | B11017         |                           |  |
| U.S.G.S.   |                      | 'ELL COMPLE        | TION OR RECO          | MPLETION      | REPORT.       | AND LOG      | mm             | mmmm                      |  |
| DERATOR  |                      |                    |                       |               |               |              |                |                           |  |
| G. TYPE OF WELL  |                      |                    |                       |               |               |              | 7. Unit Agre   | ement Name                |  |
|  | 011                  | GAS                | [                     | 14/ 1         |               | WA TEN       |                |                           |  |
| b. TYPE OF COMPLE  |                      | L X GAS            | DRY                   | 94.           | <del> </del>  |              | E. Farm or L   | eres Name                 |  |
| [  |                      | FLUG               | DIFF.                 |               | 1500-         |              |                |                           |  |
| well (X) over 2. Name of Operator  |                      | N PLUG<br>BACK     | DIFF. RESVR.          |               | JAM2 310      | <del> </del> | State 1        | 0                         |  |
| •  |                      |                    |                       | Off           | C. 1          | a            |                |                           |  |
| Union Texas F  | <u>Petroleum Co</u>  | prporation         |                       |               | Con i         | 21V          | 4              | à Pool, or Wildcat        |  |
|  |                      |                    |                       |               | Dist. 3       |              | ł              |                           |  |
| P.O. Box 1290<br>Location of Well  | <u> Farming</u>      | gton, New Me       | xico 87499            |               |               |              | unaesign       | ated Gallup               |  |
| I. Location of Well  |                      |                    |                       |               |               |              |                |                           |  |
|  |                      |                    |                       |               |               |              |                |                           |  |
| HIT LETTER   | LOCATED <u>946</u>   | 5 FEET F           | South South           | LINE AND      | 1840          | FEET FROM    |                |                           |  |
| •  |                      |                    |                       |               |               |              | 12. County     |                           |  |
| HE East LINE OF  | sec. 16 T            | wp. 28N RG         | E. 9W NMPM            |               |               |              | San Juan       |                           |  |
| IS. Date Spudded   | 16. Date T.D. R      | eached 17, Date    | Compl. (Ready to P    |               |               | RKB, RT, G   | R, etc.) 19. 1 | Elev. Cashinghead         |  |
| 9-8-83   | 9-19-83              | 9-3                | 30-83                 | 6             | 316' RKB      |              | 63             | 301' GL                   |  |
| 20. Total Depth  |                      | Back T.D.          | 22. If Multiple       | e Compl., How | 23. Interv    | als , Rotar  | y Tools        | , Cable Tools             |  |
| 6 <b>965</b> '   | 6                    | 917'               | Many                  |               |               | :d By : 0    | -69651         |                           |  |
| 4. Producing Interval(   | s), of this complet  | ion - Top, Botton  | , Name                |               |               |              |                | 5. Was Directional Survey |  |
| 6892'-36'  |                      | • •                |                       |               |               |              |                | Made                      |  |
| 6600'-6039'  |                      |                    |                       |               |               |              |                | No                        |  |
| 25. Type Electric and C  | •                    |                    |                       |               |               |              | 1 27 We        | s Well Cored              |  |
| DIL-GR-CDL-CN  |                      |                    |                       |               |               |              | 27             | No ·                      |  |
|  | L-un                 |                    |                       |               |               |              | <u> </u>       | 110                       |  |
| ?8.<br>  | <del></del>          | <del></del>        | ING RECORD (Repo      | <del></del>   | ·             |              |                |                           |  |
| CASING SIZE  | WEIGHT LB.           |                    |                       | ESIZE         |               | NTING REC    | DRD            | AMOUNT PULLED             |  |
| 9-5/8"   | 36.0                 | 321                |                       |               | 354 c         |              |                |                           |  |
| 7"   | 23.0                 | 4080               |                       |               |               | u.ft.(2      | stage)         |                           |  |
| 4-17"j   | 11.6                 | 3872'-             | 6960' 6-1/            |               |               | u.ft.        |                |                           |  |
|  |                      |                    |                       | <u> </u>      | See Attac     | nment        |                |                           |  |
| 29.  | L                    | INER RECORD        | ·                     |               | 30.           | т            | UBING RECO     | RD                        |  |
| SIZE   | TOP                  | воттом             | SACKS CEMENT          | SCREEN        | SIZE          |              | PTH SET        | PACKER SET                |  |
| 4-1/2"   | 3872'                | 6960'              | 542 cu.ft.            |               | 2-3/8"        | 648          | 9'             |                           |  |
|  |                      |                    |                       | ·             |               |              |                |                           |  |
| 11. Perforation Record   | (Interval, size and  | number)            |                       | 32.           | ACID, SHOT, F | RACTURE,     | CEMENT SQU     | EEZE, ETC.                |  |
|  |                      |                    |                       |               | INTERVAL      | AMOL         | INT AND KIN    | D MATERIAL USED           |  |
| 6892' - 6836'  | 29 s                 | hots               |                       | 6892'-        | 36'           | See Att      | achment        |                           |  |
|  |                      |                    |                       |               |               |              |                |                           |  |
| 6600'-6039'  | 51 s                 | hots               |                       | 6600'-        | 50391         | See Att      | achment        |                           |  |
|  |                      |                    |                       |               |               | -            |                |                           |  |
| 13.  |                      |                    | PRODI                 | JCTION        |               | 4            |                |                           |  |
| Ofte First Production  | Produ                | ction Method (Flou | ving, gas lift, pumpi |               | type pump)    |              | Well Status    | (Prod. or Shut-in)        |  |
| 12-22-83   |                      | umping             | 3. 3                  | ·             |               |              | Produc         | ina                       |  |
| Cate of Test   | Hours Tested         | Choke Size         | Prod'n. For           | Oil - Bbl.    | Gas - MC      | F Wate       | r = Bbl.       | Gas = Oil Ratio           |  |
| 12-31-83   | 24                   | 5/8"               | Test Period           | 2             | 67            | . 1          | 10             | 33,500                    |  |
| Flow Tubing Press.   | Casing Pressure      |                    | Oil — Bbl.            | Gas M         |               | ater — Bbl.  |                | Gravity - API (Corr.)     |  |
| 219  | 219                  | Hour Rate          | 2                     | 1 67          |               | 10           | 40             | )°                        |  |
| 4. Disposition of Gas  | į.                   | I wented etc.      |                       |               |               |              | Witnessed By   | ,                         |  |
| Sold   | (Doid, used for flie | i, semeu, etc./    |                       |               |               |              | in Rector      |                           |  |
|  |                      |                    |                       |               |               |              |                |                           |  |
| Sementing and  |                      | n Records          |                       |               |               |              |                |                           |  |
| 9  |                      |                    |                       |               |               |              | 1 1 1 -        |                           |  |
| E. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. |                      |                    |                       |               |               |              |                |                           |  |
| 1(   | J Chim               | Jan                |                       |               |               |              |                |                           |  |
| SIGNED J. A. Edmister TITLE Engineering Analyst DATE January 18, 1984  |                      |                    |                       |               |               |              |                |                           |  |
| 5.525  | M. Edili 15 ter      |                    |                       |               |               |              |                |                           |  |

## Union Texas Petroleum

P. O. Box 1290 Farmington, N.M. 87499 (505) 325-3587

State 16 Well No. 4 Section 16, T28N-R9W San Juan County, New Mexico

## Item 28 - Cementing Record

Cemented 9-5/8" with 354 cu.ft. Cl B w/2% CaCl<sub>2</sub> and 1/4# Flocele per sack.

Cemented 7" 1st stage with 264 cu.ft. 65-35 POZ w/12% gel, 12-1/4# Gilsonite, and 1/4# Flocele per sack followed by 118 cu.ft. Cl B w/2% CaCl<sub>2</sub>. Cemented 2nd stage with 1023 cu.ft. 65-35 POZ w/12% Gel, 12-1/4# Gilsonite, and 1/4# Flocele per sack followed by 118 cu.ft. Cl B w/2% CaCl<sub>2</sub>.

Cemented 4-1/2" with 390 cu.ft. 65-35 POZ with 6% gel, 6-1/4# Gilsonite, and 1/4# Flocele per sack followed by 152 cu.ft. 50-50 POZ w/2% gel, 0.6% FLA, 1/4# Flocele and 10# salt per sack.

## Item 32 - Stimulation Record

Perfs: 6892'-6836' 1 shot every 2 feet

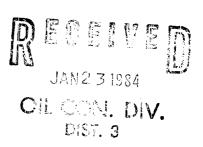
Perfs: 6600; 6585,70,57,40,29, 19,07; 6494,81,68,55,42,29,16,03; 6390,76,68,60,52,42,34,26,18,10,03; 6293,82,72,64,51,38,27,15,05; 6193,85,73,64,54,42,34,17,06; 6092,80,70,60,50,39

Acidize and broke down with 2250 gals 15% MSR Acid.

Acidize and broke down with 4500 gals of 15% HCl.
Ran frac treatment of 209,330 gals of 70 quality foam and 55,000# sand.
Reran frac treatment of 243,256 gals of 40# gel water and 200,000# sand.

## TOPS

| Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Chacra Cliff House Point Lookout Mancos Gallup | 1455<br>1610<br>2110<br>2580<br>2660<br>3170<br>4200<br>4920<br>5150<br>6020 | 1610<br>2110<br>2580<br>2660 |
|---|--|------------------------------|
| Greenhorn   | 6790   | 6900                         |



An ALLIED Company