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|---------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------|---------------------------|----------|--|-----------------|------------------|------|-------|-----------------|
| 8/8/76                    | 141             | Sd & sh, WOC. SPUD 12-1/4" hole 2 p.m. 8/7/76. Drld to 141'. Ran 4 jts, 122' 8-5/8" OD 24# K-55 SS 8rd csg, set @ 139'KB, cmtd w/120 sx Cl. "B" w/24 csg cmt circ, job comp 2:00 a.m. 8/8/76. 2 centralizers. \$ 6,11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/9/76                    | 608             | Drld sd & sh. 1/4" @ 120' & 460'. Wtr. 90 BPM. B#2, 7-7/8" Smith, in 141' drlg, 467' in 12 hrs. WOC. Nip'd up, instl'd BOP. Tstd BOP & csg @ 200#, 17 min, held OK. Drld out 7 p.m. 8/8/76. \$ 10,22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/10/76                   | 1369            | Logging. 1" @ 1174'. Mud 8.8#, vis 37. B#2, Smith, DGTJ, 141-1174'. B-3, 5" DTT, 1174-1369'. \$ 17,11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/11/76                   | 1369            | TD - WOC. Ran 1-ES w/GR. Trip in, LD DP. Ran 41 jts, 1359.44' 5-1/2" OD 14 K-55 8rd ST&C SH csg, set @ 1368'KB, cmtd w/150 sx B-J light w/10# gilsonite sx, followed w/75 sx Cl "B" neat, cmt circ'd, PD 1 p.m. 8/10/76. Hung in C head w/Cam AW slips, cut off csg. Rig rel 2:15 p.m. 8/10/76. \$ 27,21                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/12/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/13/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/14/76                   | 1369            | TD - WOC compln 3 days, 14, 15 & 16.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/15/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/16/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/17/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/18/76                   | 1369            | TD - WOC compln.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/19/76                   | 1369            | TD - Prep MI, log perf & frac.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/20/76                   | 1335            | PB - Prep to CO sd. Ran 2-7/8" tbg to 1335', displ hole w/inj plt wtr. Spots 500 gal 15% HCl. POH. Ran GR-collar correl log. Perf Lower Gallup 1292-1302' w/2 jets/ft. Frac Lower Gallup perfs 1292-1302' dn 5-1/2" csg; 2000 gal pad 2/20# Guar Gum/1000 gal plus 110 gal S-235 scale inhib; frac fluid w/21# Guar Gum & 25# silica flour (silica flour in 1st 450 bbl only) per 1000 gal; 2000 gal pad; 4000 gal w/ 1/2# 20-40 sd/gal; 6000 gal w/1# 20-40 sd/gal; 20 gal w/2# 20-40 sd/gal; flush w/1200 gal inj plt wtr. Brk @ 2300#. PPH 1100#. Avg TP 1000#, min & flush 900#, AIR 20 BPM, ISD 600#, 15 min 300#, job comp 2:15 p.m. 8/19. Start back flw 3 p.m. Flwd 219 BLW in 2 hr 15 min. 772 BL SDON. \$ 38,21 |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/21/76                   | 1335            | PB - Prep to run pump & rods. Will circ. Open to frac tanks. 271 Bbl in 4 hrs w/trac of oil. Ran in w/2-7/8" tbg & pmp bbl. Circ out 45' sd. LD 1 jt. SLOW. This a.m. check btm & then ran pump & rods. Total load 991 Bbl. Rec'd bbls. Left to rec 501 bbls. \$ 39,21                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/22/76                   | 1335            | PB - WOC flw line & elec. Checked for sd fill w/tbg, found hole clean. LD 1 tbg. Ran tbg as follows: <table><tr><td>1 - 2-1/4" tbg prep bbl</td><td>16.35</td></tr><tr><td>41 jts 2-7/8" EUE new tbg</td><td>1,289.68</td></tr><tr><td></td><td><u>1,306.03</u></td></tr><tr><td>• RKB to tbg top</td><td>8.50</td></tr><tr><td>Btm @</td><td><u>1,314.53</u></td></tr></table> Ran 2-1/4" x 3' plgr on 51 jts 7/8" rods, 20' subs 7/8", 1-16' 1-1/4" pkr w/liner, clamped off. \$ 39,21                                                                                                                                                                                                                                  | 1 - 2-1/4" tbg prep bbl | 16.35 | 41 jts 2-7/8" EUE new tbg | 1,289.68 |  | <u>1,306.03</u> | • RKB to tbg top | 8.50 | Btm @ | <u>1,314.53</u> |
| 1 - 2-1/4" tbg prep bbl   | 16.35           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
| 41 jts 2-7/8" EUE new tbg | 1,289.68        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
|                           | <u>1,306.03</u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
| • RKB to tbg top          | 8.50            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
| Btm @                     | <u>1,314.53</u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/23/76                   | 1335            | PB - Set pmpg unit. MI to install pmpg unit. Tying in flw line. Working on C. Should be pmpg this p.m. \$ 39,21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/24/76                   | 1335            | PB - Prep to test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/25/76                   | 1335            | PB - Pmpd 432 BW in 24 hrs. Rainbow of oil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/26/76                   | 1335            | PB - 24 hr test 1 EO & 504 BW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/27/76                   | 1335            | PB - 24 hr test 5 BO 484 BW. \$ 39,21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/28/76                   | 1335            | PB - No test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |       |                           |          |  |                 |                  |      |       |                 |
| 8/29/76                   | 1335            | COMPLETED OIL WELL 8/29/76. Pmpd 12 BO & 610 BW in 24 hrs f/Lower Gallup 1292-1302', 20 SPR, 2-1/4" bore pump, 54" SK. \$ 39,21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |       |                           |          |  |                 |                  |      |       |                 |