WELL DATA SHEET

Lease ZU Well No. 21 Pool Zenith Date 5/90

Location NW/4 Sec. 7-24S-10W County Reno State Kansas

Dist. "H" 4 'From KB to GL

Date Completed

Well Elevation 1792 GL, 1796 KB

Producing Formation

From ' To ' From ' To

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Initial Production bopd bwpd

mcfd GOR

Initial Treatment

8 5/8 "OD Surface Pipe set @ 258 ' w/ 150 sx.

5-22-84 Perf 3738-42, acdz 250 gal, ON FL 2300', swab 35 BPH 90% oil f/3300', put on pmp 6-1-84 tst 151 BOPD 294 BW decreasing to 43 BOPD 288 BW on 6-5-84

6-6-84 MI to workover well, tbg parted, left junk in hole, re-acdz & swab test, ON FL 2000', swab 35 BPH w/oil scum f/3100, perf 3742-46 swab tstd same, set CIBP @ 3732

Top of Cement @

Subsequent Workover or Reconditioning:

6-11-84 Perf 3714-18, swab 35 BPH w/oil scum, set CIBP @ 3729, swab same as before, sqz w/75 sx, drill out to 3729, re-perf 3715-17, acdz 600 gal, swab same as before, sqz perfs w/180 sx, drill cmt & CIBP's to 3780, press tst csg to 1200# held OK

6-27-84 Perf 3738-42, acdz 300 gal, swab 18 BPH w/oil scum, perf 3737-39, acdz 600 gal, swab same, ON FL 2100

7-6-84 Perf 3702-07, isolate w/pkr & RBP, attempt to frac, w/N break dn, re-perf 3702-07, acdz, swab 100% wtr, sqz w/100 sx, drill out, re-perf 3703-07, frac w/N_2 & 6000# sd, swab 11% oil, put on pmp, tst 409 BPD 98% wtr, CIBP @ 3712 (cont. below in remarks)

Present Production bopd bwpd

Gas mcfd

From ' To

Static F. L. @ ' Date

Pumping F. L. @ ' Date

3703 – 3707 L. Misner Sd

3737 – 3742 Viola 1

Remarks: 4 bbls short on displ. when cmt'g prod. csg, found cmt @ 3700' in csg, drill out to 3815

5 1/2 "OD # Thd Gr. , Casing Set @ 3824 w/ 175 sx

4-3-86 Drill out CIBP @ 3712, plug stopped at 3737, due to frac sd in csg, CO sd to 3742, run ODI, tst 792 BPD 4.5% oil

TD 3825 '