

4-29-97 217 BO; 22 BW; 338 MCF; 250 TP. MIRU Rowland Hot oiler, hot oiled tbg. w/20 bbls. hot oil. Made one swab run from 4500' rec. 0 bbls. fluid. Rel. pkr and equalized. ND wellhead. NU 5000# WP double-ram hydraulic BOP w/Blind rams in the btm. and 2 3/8" pipe rams in the top. POOH w/308 jts. 2 3/8" and 1 - 2 3/8" x 7" Baker Model "R" pkr., N.D. BOP and tbg. head. Installed new dual hanger tbg head and NU BOP. SI. MI & unloaded and racked 396 jts. 2 3/8" tbg. SDFN.
Daily Cost: \$3,290.

4-30-97 MIRU Western Atlas Wireline Truck. RIH w/gauge ring to 12,100'. PU & RIH w/Baker Model "D" 7" permanent pkr. w/TCP assembly on wireline and set pkr. @ 11,966.52'. RD Western Atlas. PU on off tool w/anchor tbg. seal assembly and RIH w/Long string 2 3/8" tbg. Installed 4 - 2 3/8" blast jts. across the interval of Wolfcamp perms from 10,130-10,151. Blast jts. from 10193' - 10,113' dual pkr. @ 9990.64'. Tested tbg. in the hole below the slips to 8000# and recorded on test chart. Tested 68 jts. and SWD & SIFN.
Daily Cost: \$7,093.

5-1-97 RIH w/tbg. seal assembly and 2 3/8" 4.70#, L-80 8rd short string prod. tbg. (Wolfcamp). Stung into pkr. assembly and spaced out tbg. Installed tbg. hanger on string and loaded in tbg. head. ND BOP and NU 2 1/6 th dual tree. Tested tree to 5000# on short string side. Tested tree to 5000# on Long string side. Both sides tested ok. MIRU Pro well Testing and Wireline. PU & RIH w/1.812 FSG 10,000# plug. POOH w/slick line. Reeled off 10,500' old sand line. Reeled on 13,500' new sand line. Poured new rope socket. Loaded long string tbg. w/16 bbls 2% KcL water and pressured up to 2000# and set Baker Model "GT" dual string hydraulic pkr. Loaded annulus w/158 bbls. 2% KcL and tested dual string hydraulic pkr. to 500# (Held ok) RU to swab. Swabbed long string tbg to 8,000'. RU Pro Well Testing and Wireline. RIH and retrieved FSL plug. POOH w/pkr. RD Pro Testing and Wireline. RU to swab. Swabbed long string 2 3/8" tbg. down to 11,400'. SI & SDFN.
Daily Cost: \$40,885.

Tubing count as follows:

MORROW STRING:

1 jt. 2 3/8", 4.70#, L-80, 8rd AB Mod. EUE tbg.	30.02'
1 - 8' x 2 3/8", 4.70#, L-80, 8rd, AB Mod EUE tbg. sub	8.40'
321 jts. 2 3/8", 4.70#, L-80, 8rd, AB Mod EUE tbg.	9,915.29'
Baker Model GT Dual String pkr. w/scoop head seal assembly	14.60'
4 jts. 2 3/8", 4.70#, L-80, 8rd AB Mod. EUE tbg.	123.45'
4 - 2 3/8" HD blast joints	79.28'
57 jts. 2 3/8", 4.70#, L-80, 8rd AB Mod. EUE tbg.	1,773.15'
Baker Model L-10 on/off tool	1.65'
Baker Model 81-32 Anchor Seal Assembly	2.68
Baker Model "D" Production pkr.	3.09'
Baker Millout Extension	6.43'
Baker X-over	.76'
Baker Model "R" Nipple 1.81" Profile	1.05'
Model "D" Pkr. @ 11,966'	
"R" Nipple @ 11,986'	

WOLFCAMP STRING:

1 jt. 2 3/8", 4.70#, L-80, 8rd AB Mod. EUE tbg.	30.60'
1 - 6' x 2 3/8" 4.70#, L-80, 8rd AB Mod. EUE tbg. sub	6.10'
1 - 8' x 2 3/8" 4.70#, L-80, 8rd AB Mod. EUE tbg. sub	8.05'
305 jts. 2 3/8" 4.70#, L-80, 8rd AB Mod. EUE tbg.	9,913.46'
Baker Model "C" Selective head w/Model "C"	
J - LOK nipple	2.00'
Model "GT" Pkr. @ 9,915'	
Model "R" Nipple w/1.81" ID @ 9,925'	

5-2-97

After making all surface preparations, dropped bar and perforated:

Morrow Zone 12047'-12053'	6' X 24 holes
12084'-12089	5' X 20 holes

4 min. after dropping perforating bar fluid came to surface. TP increased to 3550# cleaning up. Turn thru test unit @ 9:00am TP 3400#, gas 1.557 MMCF. Unit back pressure @ 450#. 1064" chk. .5 bbls cond. per hr. 1.781 MMCF. At 5:00pm TP @ 3270#. 10/64 choke gas 1.800 MMCF. .5 bbls condensate per hr. Left well on test w/ Pro Testing and Wireline personnel.
Daily Cost: \$ 17,083.00