

### ACIDIZING OR OTHER COMPLETION OPERATION

1. Acidized Perfs. 12460-12500 w/1000 Gals. Mud Acid / 4000 Gals. L.S.T. Time 4 hrs. Injection rate 1/2 BPM, TP 5000-6000-3500#.
2. Acidized Perfs. 12310-12350 w/1000 Gals. Mud Acid / 4000 Gals. 20% L.S.T. Time 20 Min. Injection rate 6 BPM, TP 3000-3500-2700#.
3. Acidized Perfs. 12200-12265 w/1000 Gals. Mud Acid / 4000 Gals. 20% L.S.T. Time 18 Min. Injection rate 6 BPM, TP 5500-3500#.
4. Acidized Perfs. 12125-12180 w/1000 Gals. Mud Acid / 4000 Gals. 20% L.S.T. Time 1 hr. Injection Rate 2 BPM, TP 5500-3100#.

After all acid jobs completed, attempted to Circulate mud to oil, would not circ. Pumped in 500 BLO, Swabbed 100 BLO / 260 bbls. mud 16 hrs. Flowed 327 BLO / 300 BAW out w/drlg. mud 32/64" choke 5 hrs. Flowed 23 BLO (All) / 20 BAW 1 hr., Flowed 580 BFO 24/64" choke 24 hrs. Put on Potential.

### DRILL STEM TEST

1. DST 9185-9257 (Permo. Penn) (Open Hole) Open 1 hr. 5/8" BHC, 1" SC, No WC, 2 Pkrs. Nothing to surface, Rec. 8370' heavily oil out drlg. mud, SFP Zero, BHFP 1665-3900#, 15 Min. SI BHP 3555#, HH 4200 in, 4175 Out. Rev. out Recovery.

### DEVIATION SURVEY

| <u>DEPTH</u> | <u>OFF VERTICAL</u> |
|--------------|---------------------|
| 465          | 1/4°                |
| 2590         | 3/4°                |
| 3280         | 1°                  |
| 4285         | 1/4°                |
| 5020         | 1/2°                |
| 5145         | 1/4°                |
| 5370         | 1/2°                |
| 5675         | 1°                  |
| 6540         | 3/4°                |
| 6930         | 1°                  |
| 7590         | 3/4°                |
| 7740         | 1°                  |
| 8040         | 3/4°                |
| 8400         | 1°                  |
| 9433         | 3°                  |
| 9540         | 2-3/4°              |
| 9640         | 2-1/2°              |
| 9880         | 2-3/4°              |
| 9930         | 2-1/4°              |
| 10137        | 2-3/4°              |
| 10200        | 2°                  |
| 10265        | 1-1/2°              |
| 10543        | 1-1/4°              |
| 10698        | 1°                  |
| 10815        | 1/2°                |
| 10865        | 3/4°                |
| 11000        | 1/4°                |
| 11190        | 1/2°                |
| 11280        | 3/4°                |
| 11360        | 1/4°                |
| 11465        | 3/4°                |
| 11395        | 1/2°                |
| 11855        | 3/4°                |
| 11892        | 1°                  |
| 12308        | 3/4°                |

