

PICKETT DRAW FEDERAL #1
Sec. 9, T-25-S, R-29-E
Eddy County, New Mexico

- 11-6-87 Rigged up Dresser Atlas. Went in hole and tied in collars with open hole logs. Perforated the following zones: 13206'-13210' (1JSPF), 13226'-13238' (2JSPF), 13244'-13252' (4JSPF), 13256'-13266' (2JSPF), 13272'-13273' (1 JSPF), 13278'-13279' (1JSPF), 13292'-13304' (1JSPF), 13322'-13323' (1JSPF), 13346'-13349' (4JSPF), 13355'-13360' (4JSPF), 13364'-13370' (1JSPF), 13382'-13383' (1JSPF), 13396'-13410' (4JSPF). Upon completion of perforating, tubing pressure was 2800 PSIG. Rigged down Dresser Atlas. Began flowing well. Tubing Pressure immediately went to 500 PSIG. Upon opening well up on 20/64" adjustable choke and began recovering 2% KCL. Water 30 min. into flow tbg. Pressure @2900 PSIG. 1 hr. into flow tbg pressure @ 2600 PSIG. 1 hr. 30 min. into flow tbg. pressure @ 2700 PSIG. 2 hr. into flow have recovered approximately 70 BBL of KCL load water. Well flowing dry gas @ 2700# PSIG on 20/64" Choke at an approximate rate of 7.1 MMCF/Day. Shut well in.
- 11-7-87 Well shut-in. 1 hour after shut-in tbg pressure @ 5100 PSIG. 5 hr. after shut-in tbg pressure @ 6000 PSIG. Hooked up test heater & separator. Flowed well for 12 hrs on 11/64" choke with a stabilized tbg pressure of 3850 PSIG and approximate flow rate of 3.1 MMCF/Day.
- 11-8-87 Shut-well in @ 12:00. Noon for 72 hour pressure build-up.
- 11-9-87 Well shut-in for 72 hr. pressure build-up.
- 11-10-87 Well shut-in for 72 hr. pressure build-up.
- 11-11-87 Rigged up wireline and ran downhole pressure recorders to 13,102'. Shut-in. Wellhead surface pressure after 72 hrs; 5810 PSIG. Ran four point gas test with following results:
- S.I. Surface Pressure 72 hrs. = 5810 pSIG
- Gas Grav. 564.
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|-------------|-------|-----------|-----------|----------|
| First Flow | 1 hr. | 5550 Psig | 4/64" | 897 MCF |
| Second Flow | 1 hr. | 5320 Psig | 5/64" | 1252 MCF |
| Third Flow | 1 hr. | 5025 Psig | 6/64" | 1729 MCF |
| Fourth Flow | 1 hr. | 4500 Psig | 7.5/64" | 2443 MCF |
| CAOF | 4759 | MCF | 54° Angle | |
- Static Pressures Depth
- | | | |
|---------|---------------------|--------------|
| 3000' | 6213 PSIG | 11 PSIG/100' |
| 6000' | 6548 | 11.1 |
| 9000' | 6875 | 10.9 |
| 12,000' | 7197 | 10.7 |
| 13,000' | 7284 | 11.2 |
| 13,102' | 7297 | 12.7 |
| 13,308' | 7327 (Extrapolated) | |
- Shut well. Waiting on gas sales line.
- 11-12-87 Shut well. Waiting on gas sales line.