

MONSANTO COMPANY
FOSTER FEDEFAL WELL NO. 1

Drill Stem Tests

DST #1; 9135-9420; TO 30 Mins w/ strong blow; 5 Mins; $\frac{1}{4}$ " Choke;
10 Mins, $\frac{1}{4}$ " Choke; 6 psi;
15 Mins, $\frac{1}{4}$ " Choke; 32 Psi; GTS;
20 Mins, $\frac{1}{2}$ " choke, 325 psi; 1.8 MPD plugging;
25 Mins; $\frac{1}{2}$ " choke; 650 psi; 3.6 MPD;
30 Mins; $\frac{1}{2}$ " choke; 800 psi; 4.4 MPD;
SI 60 Mins; TO 60 Mins;
5 Mins; $\frac{1}{2}$ " choke; 100 psi; MWTS;
10 Mins; $\frac{1}{2}$ " choke; 400 psi; MW Plugging
20 Mins; $\frac{1}{2}$ " choke; 800 psi; MW; 4.5 MPD
30 Mins; $\frac{1}{2}$ " choke; 765 psi; 4.3 M
40 Mins; $\frac{1}{2}$ " choke; 700 psi; 3.9 M
50 Mins; $\frac{1}{2}$ " choke; 625 psi; 3.4 M
60 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 M
SI 2 Hrs; TO 2 Hrs.
5 Mins; $\frac{1}{2}$ " choke; 550 psi;
15 Mins; $\frac{1}{2}$ " choke; 650 psi;
30 Mins; $\frac{1}{2}$ " choke; 650 psi;
45 Mins; $\frac{1}{2}$ " choke; 600 psi; dry;
60 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 MPD
75 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 "
90 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 "
105 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 "
120 Mins; $\frac{1}{2}$ " choke; 600 psi; 3.3 "

Pressures:

IH & FH 4374 - 4356;
IF (30 Mins) 733 - 1572
ISIP (60 Min) 3689 Pe = 3782
2nd Flow (60 Mins) 1012 - 1117
2nd SIP (120 Min) 3689 Pe = 3782
3rd Flow (120 Min) 925 - 1100
FSIP (4 Hrs) 3689 Pe = 3782
Rec. 30' Cond & 60' GCDM;
Sampler: 7.1 cfg @ 1100 psi; no liquid;

$$\frac{Kh}{u} = 13,632 \quad \frac{MD-ft}{cp}$$

Kh = 340.8 MD-Ft
K (12') = 28.4 Md
Ri 49.7'
Damage Ratio = 14

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ARTESIA, NEW MEXICO