

EDITH FEDERAL #3
2130' FNL & 660' FWL
Section 25, T18S, R33E
Lea County, New Mexico

SPUDDER: 7:30 a.m. 8/18/85
SURFACE CASING: Ran 9 jts 13-3/8" 54.5# (365.84') casing. Set & cmted @ 353 w/350
sks Class C w/2% CaCl. Circulated 130 sks to surface. Plug down
7:10 p.m. 8/18/85.
INTER. CASING: Ran 91 jts (3708') 24 & 32# 8-5/8" casing, set & cmted @ 3700' w/
1300 sks Halliburton Lite w/15# salt & 1/4# floseal per sk PLUS
300 sks Class C w/2% CaCl. Circulated 125 sks to surface.
Plug down @ 11:45 p.m. 8/24/85.
TOTAL DEPTH: 10,500' (Loggers TD 10,484')
PROD. CASING: 257 jts (10,501') 5-1/2" 17 & 20# w/float shoe, float collar &
12 centralizers, Cmted w/780 sks Class H w/50-50 POZ Mix + 2% gel,
3# salt & .3 of 1% Halad 22 per sk. Plug down @ 4:25 a.m. 9/14/85.
PERFORATIONS: * 10-370-76 w/6 holes & 1 spf, 10,432-38 w/6 holes & 1spf,
10,446-50 w/5 holes (4').
TREATMENT: Acidize w/2000 gal 20% NEFE & 32 ball 11rs. Pump 1/2 bpm @ 4000#,
@ 1.5 bpm @ 4500#, form broke to 3800# @ 1.8 bpm, increase to 2.5 bpm
@ 3600#, balled off, surge balls off, resume @ 2.2 bpm @ 3500#, slow
increase to 4000# @ 2.2 bpm, surge balls off, resume @ 2.5 bpm @ 3500#,
put job away. ISIP 2800#, 5 min 1400#, 10" 600#, 15" on vacuum.
* Set cast iron bridge plug @ 10,300'.
PERFORATIONS: Lower Bone Springs: 9766-76 w/1spf total 10 holes &
9780-94' (14') w/15 holes.
TREATMENT: Set pkr @ 9796' spot 2 bbl acid, pull up & set @ 9667', brk down form.
Broke @ 3600#, pumped .4 bpm @ 4000#, open bypass & spot acid, close bypass.
ACIDIZE w/1000 gal 15% SPA acid & 40 ball sealers. Pumped 1 bpm @ 3800#,
1.8 bpm @ 4200#, balled off, surge balls, pump @ 2 bpm @ 4200#, balled
off, resume @ 2.7 bpm @ 4600#, put job away. ISIP 3500#, 5 min 3300#,
10 min 3200#, 15 min 3150#.
REACIDIZE w/1500 gal NEFE acid + 50 ball sealers. Pump @ 3 bpm @ 4200#,
balled off w/25 balls on, surge balls off, pump @ 3 bpm @ 4200#,
put job away, ISIP 2900#.
FRACED w/896 bbl water, 450 bbl CO₂ & 63,500# 20/40# sand, AIR 40 bpm,
Avg press 4460#, ISIP 3200#, 5 min 3110#, 10 min 3080#, 15 min 3050#.
Set cast iron bridge plug @ 10,300'.
PERFORATIONS: 9706-16 (10'/10 holes) & 9612-26 (14'-15 holes)
TREATMENT: Set plug @ 9731', test & spot 1 1/2 bbl acid, pull up & set pkr @ 9633',
brk down form, broke @ 3000#, pump 3 bpm @ 3500#, open bypass, spot acid &
ball sealers, close bypass;
ACIDIZE w/1000 gallons 15% NEFE acid & 20 ball sealers. Pump @ 3 bpm @
3300#, balled off, surge balls, pump @ 3 bpm @ 3600#, 3 bpm @ 4000#, surge
balls, pump @ 3 bpm @ 3500#, put job away. ISIP 2400#, 5 min 1400#,
10 min 1200#, 15 min 1000#.
Pull up & set plug @ 9633, test spot acid, set pkr @ 9536', break form
down, broke @ 2700#, pump 2.8 bpm @ 4200#, open bypass & spot acid &
balls to pkr, close bypass.
ACIDIZE w/1500 gallons 15% NEFE acid & 30 ball sealers, pump 2.6 bpm @
3800#, 2.6 bpm @ 4600# w/30 balls on form, did not ball off, surge balls,
pump @ 2.6 bpm @ 4150#, put job away, ISIP 3100#, 5 min 2800#, 10 min
2600#, 15 min 2500#.
reset plug @ 9731' FRAC w/1025 bbl wtr, 465 bbl CO₂ & 60,000# 20/40 sand.
AIR 32 bpm Avg Press 3850#, ISIP 3200#, 5 min 3140#, 10 min 3110#, 15
min 3080#.
TUBING: Ran 303 jts 2-3/8" J55 8 rd tubing. End of mud anchor @ 9830', seating
shoe @ 9798', tubing anchor @ 9574'.
RODS & PUMP: Ran 255 jts 3/4" rods. & 2 x 1 1/2" x 26' pump.