

Midwest Oil Corporation
South Empire Deep Unit #3
Eddy County, New Mexico

Form C-103
11-30-72

1 hr ISIP 3836. 2nd Flow 3325, 40 min 2nd SI 3811, FFP 3478, 3 hr FSIP 3823; BHT 137°; wtr 123,000 ppm chl.

- 9-30-72 Ran DST #5 10,120-156. 10 min PF w/gd blo. Top chk closed, 1 hr ISI, 1 hr FF, gd to wk blo. 2 hr FSIP. BHT 156°, IHP 4991, IFP 44, ISIP 542, FFP 44, FSIP 654, FHP 4991. Rec 60' mud. Sample: rec 50 cc's mud, zero press.
- 10-6-72 Ran DST #6 10,634-10,730. 5 min PF 1445. GTS in 4 mins. IHP 5219, 60 min ISIP 3840, 45 min 2nd flo 2699, 90 min 2nd SIP 3815, 60 min 3rd flo 2812, max flo rate; ½" top chk, 5/8" btm hole chk. 10 MMCF, 1550 psi surf press. 180 min FSIP 3815, FHP 5219. BHT 159°. Rec 250' dist, 51.2° grav. Sample Chamber: rec 16.12 cfg, 40 cc's dist @ 2050 psi.
- 10-8-72 Ran DST #7 10,814-847, Lower Morrow. TO 5 mins. GTS in 3.5 mins @ 2.6 MMCF, 400 FP. SI 1 hr. 2nd flo TO 9 mins, 625 FP. Leak in tool jt @ surf. 5136 mins repairing leak. 3rd flo TO 70 mins w/MTS in 20 mins. Flo 7.75 MMCF @ 1175 FP. 3rd SI 2 hrs 20 mins, 4th Flo TO 70 mins, dist to surf in 8 mins, flwd 8 MMCF @ 1200 FP. 4th SI 2 3/4 hrs. Rev out 260' dist, 53.2° grav. Sample Chamber: rec 12.33 cfg, 40 cc's dist @ 1600 psi. 5 min PF 818-881, 1 hr ISIP 4366, 9 min 2nd flo 906-1220, 36 min 2nd SIP 4366, 70 min 3rd flo 956-2047, 140 min 3rd SIP 4366, 70 min 4th flo 1019-2060, 165 min 4th SIP 4366, HP in & out 5332. BHT 158°.
- 10-12-72 Ran 10,923', 5½" csg: 29jts (955') 17#, S-95 LT&C & 308 jts (9968') 17#, N-80, LT&C set @ 10,923' KBM. DV tool @ 8791'. 1st stage cmt'd w/440 sx Class "H", 50-50 LP-3 & 4% D-20 & 2/10% D-65 & 3/10% D-73 & 2/10% D-13 displaced @ 6.3 BPM. Bumped plug @ 1500 psi. Job complete (1st stage) @ 8:15 PM on 10-11-72. Circ 6 hrs. 2nd stage cmt'd w/500 sx Class "H", 50-50 LP-3 & 4% D-20 & 3/10% D-65, 2/10% D-13 displaced @ 8 BPM. PD @ 3:30 AM. Bumped @ 2700 psi - OK. WOC 24 hrs. Ran temperature survey (copy attached).