

Ne 1 Empire S. Dep. Unit
NM 0560 401
6-185-29E

DST #1 6720-6942 - preflow 10" weak blow throughout
ISIP 60" - TO 90" wk blow inc to strong in 16" and
remained strong throughout. Rec. 60' oil 38 degs gr at
92 degs, 710 DF. Sample chamber .9 CFG 1600 cc oil 41
gravity at 64 degs. 10" preflow 434, FP 434-434, 60"
ISIP 2003 inc., 120" FSIP 2142 inc.

9-27-71 7137

Drilg in lime. MW 8.5, Vis 32, WL 8.7, FC 1/32. PH 10.
DST #2 (7020-7052) Middle Bone Springs - preflow 10"
strong blow throughout ISIP 2', TO 90" wk blow inc to
strong blow in 12" strong throughout test. Rec. 3292'
GIDP, 282' HOCSW (60% oil) 1168' SGCSSW Samples
1600 cc SW 10" preflow 134#, 2' ISIP 2846, FP 134-673,
3' FSIP 2679, Temp 146 degs.

10-7-71 8743

Picked up tst tool for DST #4 8712-8743. Pld out w/DST
#3 & WIH & Circd 1 1/2 hrs for DST #4. MW 9.1, V-39,
WL 8, FC 2/32, PH 10.5. DST #3 8712-8743. 15" Preflow -
moderate blo TO. ISI 90". 2nd flow 2'20" mod blo
At 2' big surge of gas, 340,000 cfg decr to TSTM in
8-10". Rec. 837' gas, 6876' HGCM, 1000' oil, 39.2
grav @ 60 degs. Sample chamber: 16# press 11.6 cfg,
1000 cc oil, 44.3 grav @ 60 deg. BHT 132 IH 4112,
FG 4125, IF 1550, FF 2025, ISI 3997, FSI 3587. Mud
recovery of 6876' due to hole in drill collar.

10-8-71 8771

8771 lm. MW 9, V-39, WL 9, FC 2/32, PH 10.5, down
for repairs on drum clutch Dwks. DST #3-A 8712-8743
Lwr WC Preflow 10" - strong blo. ISIP 60". 2nd flo
strong blo incr to 275,000 cfg in 27", decr to 195,000
@ end of 2'. SI 2'. Rev. out 16 BO, no wtr. Sample
chamber 4200 cc oil, 4.4 cfg, 490#, 41.5 gr @ 63 deg.
BHT 132 deg. 60" ISIP 3612, 120" FSIP 3176. Preflow
press 124. I & FF 124-445, I & FH 4035.

10-9-71 8918

Correction on DST #3-A on Sample chamber should be
420 cc oil. Drilg. 8918 in lime. MW 8.8, V-33, WL 10,
FC 2/32 PH 10.5.

10-10-71 9136

Drilg in lime & shale. MW 8.8, V-33, WL 14, FC 2/32,
PH 10.5.

10-11-71 9190

DST # 4 9130-9190. 3/4 deg @ 9190, MW 8.9, V-34,
WL 10.6, FC 2/32, PH 10.5.

10-12-71 9420

Drilg in lime & shale. MW 8.8, V-33, WL 13, FC 2/32,
PH 10.5, oil continent 0. DST # 4 9130-9190 Preflow 25"
very strong blo TO, GTS 35" -TSTM. ISI 2'. 2nd flo
op 2' - wk blo TO, GTS 5" TSTM. 6-8' flair throughout.
Rec: rev. circ out 3220' sli GC black salty SW. Sample
chamber: 2650 cc salty SW. IH-4210, FH 4152, 2' ISI
3568, 3' FSI 3568. Preflow flow press 153-461. FF 1538,
BHT 142 degs.

10-20-71 10,548

Drilg. sd, cht & lm. 1/4 deg at 10,514, MW 9.7, V-38,
WL 7, FC 2/32, PH 10.5. DST #5 10,472 - 514.
GTS 7". 3" preflow - strong blo. TO 33" TSTM. Decrg
at EOT. Rec. 150' GCM - 1000 ppm - same as pit
sample. Sample chamber rec. 0.4 cfg. IH 5177, IF 73,
ISIP 791, no FF on FSI - clock stopped. FH 5177. BHT
160 degs F.

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DST #6 (10,630-10,780) 11" preflow, 1' ISI, 1' flow, 2'
2nd SI, 2' 2nd flow 3' FSI, OP w/strong blow, GTS - 3".
SI 1 hr - op 1 hr 30 mmg in 10", 38 mmg in 20". Max rate
45 mm after 30". Dec to 40 mm after 50". Stable last 10".
2 hrs. Op 2 hrs. 1" chk, 40 mm in 14". Flwd stable r
rate for 46". Changed to 3/4" ch at 1 h. Max rate 29 mm at
10". Decd to 26 mm after 25". Stable last 25". SI 3 hrs.
Rev out 2 bbls dist and 55.9 grav. Spl ch 24.5 cfg plus
100 cc dist at 2900#. BHT 161 degs. IH 5294, 11" PFP
2533, 1' ISIP 4118, 1' IFP 3185, 2' 2nd SI 4118, 2' FP 3837
3' FSI 4118, FHP 5156.

11-6-71 12,100 TD

Pld DST #7 11,900' - 12,100' (Devonian. IHP 5993, psi 5",
Preflow w/weak blow. IF 169 psi. Shut in 1 hr. ISI 5076 psi
Reopened tool with no blow for 15 mins. Weak blow for 45"
FFP 334 psi. SI for 90 mins. FSI 3871 psi. FHP 5882, Recy
270' DM. 90' MCW. Sampler 150 cc MCW BHT 176 degs.F.