

UNION 36 STATE #1-K-36-7-27

CHAVES COUNTY, NEW MEXICO

DST #1: 5565-5590'

Tool open 60" w/weak blow, no gas to surface, closed 60", open 120" on 2nd flow. 1 hr. 15 min. before started blowing w/weak blow, no GTS, tool closed 60 min.

DST #2: 6000-6029'

IF 60", 42#
ISI 60", 229#
FF 42#
FSIP 125# o
IH 3250#, 132

Recovered 20' drilling mud, 100 cc drilling mud, 1000 cc saltwater.

DST #3: 6713-6742'

Open 60 min. w/fair blow, had 8" at end of 1 hr. Closed 60 min. Open 120 min. 11 oz blow in 90 min. Recovered 300' of gas cut drilling fluid.

IH 3773#
FHP 3752#
IFP 84#
FFP 126#
ISI 2469#
FSI 2490#

2nd flow 147 final 210. Sample 10#, 1400 cc gas cut drilling mud with slight trace of oil.

DST #4: 6560-6820'

Total fluid recovery 1440' w/1280' gas cut drilling mud w/slight trace of oil and 160' gas cut formation water. Top of fluid recovery 102,000 ppm; middle of recovery 103,000 ppm; bottom of recovery 133,000 ppm. Sampler: 250# pressure. Total volume of sampler 2600 cc. Total volume of sample 200 cc mud-gas-cut drilling mud in sampler, ½ cf of gas sample of chlorides 95000 ppm, mud pit sample 104,000 ppm.

IHP 3752#
FHP 3731#
IFP 84# (1st)
FFP 483#
IFP 525# (2nd)
FFP 693#
ISIP 426# (1st)
ISIP 2406# (2nd)

Tool open 6 hrs, SI 2 hrs, open 4 hrs, closed 2 hrs (FSI), 15 oz. pressure on 1st (6 hr.) flow; closed 2 hrs; 3½ oz. press. on 2nd (4 hr) flow; closed 2 hrs. No gas surface on either flow.