

DRILL STEM TEST RESULTS

HENSHAW FEDERAL NO. 1
EDDY COUNTY, NEW MEXICO

07-19-87

DST #5 @ base of Morrow interval 10540-10636'.

	<u>Top Gauge</u>	<u>Bottom Gauge</u>
IH	5308	5325
IF (5 min)	179-191	181-200
ISI (60 min)	1314	1312
FF (60 min)	190-320	200-345
FSI (120 min)	1860	1896
FH	5308	5325
	150 deg F	150 deg F

Recovery @ sampler @ 350#, 1.80 CF, 0 oil, 0 wtr, tr mud.

DP rec = 560' S G.C.D.M.

Surface Indicators

5 min IF = strong blow to 3#
60 min FF = blow to 6# constant thereafter, burn 2-3' flare.

07-27-87

DST #6: Top of Devonian interval 11420-11671'.

Surface indicators: 125 min IF: 1/4" bubble @ 5 min, zero blow @ 15 min, zero blow thereafter.

Note: Planned on 5 min IF & 60 min ISI. However, tool failed to close. Results were one flow & one SI as follows: 125 min IF & 240 min SI.

Drill Pipe Recovery: 60' DM

Sampler Recovery @ 630#: 3.2 CF G, 0 oil, 0 wtr, 760 CC DM

<u>Pressure Gauges:</u>	<u>L. Gauge</u>	<u>U. Gauge</u>
IH	5818	5731
IF (125M)	217-217	81-81
FSI (240M)	929	817
FH	5836	5731

No signs of tool plugging. Conclusive test.

07-29-87

DST #7: Devonian @ 11700-11775'.

Surface Indicators: 5 min IF=weak blow to 1/4" bubble
90 min FF= weak blow to zero blow in 30 min

Drill Pipe Rec: calculate 167' DM (based on press recorder #3)

Sampler Recovery: 0 CFG, 0 oil, 0 wtr, 2260 cc mud

<u>Pressure Gauges:</u>	
IH	5915
IF (5 min)	99-99
ISI (60 min)	4866
FF (90 min)	97-117
FSI (180 min)	4645
FH	5909

Note: Tools stuck. Had leak in DC @ 1 std below top of collars.
Left lower press recorder on btm @ 11768-11775'. Fish=6.36'L x 5 3/4" OD. TEST CONCLUSIVE!