

DAVID FASKEN

ARCO "9" MORRISON # 1

Drill Stem Test Summary

DST # 1, 7128' - 7178' (Penn Lime)

Tool open initially 15 mins., weak blow increasing to strong blow, GTS in 18 mins. Shut in for 1 hr., reopened 3½ hrs. Flowed as follows:

<u>Time</u>	<u>Choke</u>	<u>Drill Pipe Pressure</u>	<u>Flow Rate</u>
30 mins.	1/4"	155	247
1 hr.	1/4"	300	460
1½ hrs.	1/4"	420	635
2 hrs.	1/4"(ck. plugging)	630	947
2½ hrs.	3/8"	440	1540
3 hrs.	3/8"	320	1130
3 hrs. 15 mins.	3/8"	308	1090
3½ hrs.	3/8"	308	1090

Shut in 7 hrs. Recovered 1300' condensate (16 bbls.), 59 deg. API, IHP 3074, Preflow 66 to 199 (15 mins.), ISIP 2502, IFP 199, FFP 866, FSIP 2502, FHP 3074.

DST # 2, 8943' - 9035'

Tool open initially 10 mins., GTS in 8 mins. Tool shut in 94 mins., reopened tool for 3 hrs., final shut in period 6 hrs. Flowed well on 3/8" choke as follows:

<u>Time</u>	<u>Surface Pressure</u>	<u>Flow Rate</u>
22 mins.	420 psig	1470 MCF/day
42	535	1860
60	580	2020
90	610	2120
120	620	2160
142	630	2180
162	635	2200
180	638	2210

Recovered 270' of very slightly condensate cut drilling mud. Sampler recovery - 32.6 cu. ft. gas @ 3000 psig - no liquid in sampler. IHP 4347, Preflow 150, ISIP 3470, IFP 384, FFP 923, FSIP 3412, FHP 4152, Temp. 158 deg. F. All pressure measurements from outside recorder. Inside recorder showed ISIP 3502, FSIP 3457.