

Hagen #2-12
 Daily Drilling Report
 Page Two

4/5/14 RTD: 3945'. CT: 14hrs. Pioneer logged 8:00AM – 12:00PM 4/4. LTD: 3944'. Globe plugged from 2:00PM - 5:00PM 4/4, using 60/40Poz, 4%Gel, ¼#Flo seal, 50sxs @ 3792, 25sxs @ 1547', 100sxs @ 806', 40sxs @ 267', 10sxs @ 40', 30sxs RH. Orders by Pat Staab, KCC Hays. RR @ 9:00PM 4/5. FINAL REPORT

MDCI Hagen #2-12 1550' FSL 1980' FWL Sec. 12-T12S-R20W 2161' KB							MDCI Hagen #1-12 1550' FSL 1240' FWL Sec. 12-T12S-R20W 2143' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1525	+636	-2	1522	+639	-1	1505	+638
B/Anhydrite	1570	+591	+1	1568	+593	+3	1553	+590
Topeka	3207	-1046	+2	3205	-1044	+4	3191	-1048
Heebner	3432	-1271	+2	3430	-1269	+4	3416	-1273
Lansing	3474	-1313	+2	3474	-1313	+2	3458	-1315
BKC	3722	-1561	-3	3708	-1547	+11	3701	-1558
Marmaton	3732	-1571	-5	3718	-1557	+9	3709	-1566
Pawnee	3758	-1597	+6	3757	-1596	+7	3746	-1603
Arbuckle	3845	-1684	+2	3814	-1653	+33	3829	-1686
RTD	3945						3880	-1737
LTD				3944			3880	-1737