

HAWKEYE DRILLING

R.R. 2 Box 73A
Wellsville, Kansas 66092
913-883-2013

14-14-20E

ease Winegard-Carswell

Well # #1-A 9-8-88

Elevation 15-045-21,050

1 2 3 4 5 6 7 8 9

Drill Log

Thickness	Formation	Total Depth	Remarks	Thickness	Formation	Total Depth	Remarks
28	Clay	28		4	Shale	629	
4	Lime	32		3	Lime	632	
5	Shale	37		12	Shale	644	
6	Lime	43		4	Lime	648	
12	Shale	55	W	4	Shale	652	
18	Lime	73		3	Lime	655	
2	Shale	75		2	Shale	657	
5	Black Slate	80		2	Lime	659	
3	Shale	83		3	Shale	662	
7	Lime	90		1	Lime	663	
4	Shale	94		2	Shale	665	
19	Lime	113		3	Lime	668	
2	Shale	115		3	Shale	671	
3	Lime	118		2	Lime	673	
25	Shale	143		4	Shale	677	
20	Lime	163		1	Lime	678	
66	Shale	229		3	Shale	681	
5	Lime	234		1	Shale	682	
4	Shale	238			CORE		
18	Lime	256		1.30	Broken	683	
12	Shale	268		1.55	"	684	
3	Lime	271		1.31	"	685	
5	Shale	276		1.02	UG	686	
9	Lime	285		1.01	"	687	
29	Shale	314		.53	"	688	
7	Lime	321		.51	"	689	
24	Shale	345		.43	"	690	
15	Lime	360		.51	"	691	
8	Shale	368		1.38	"	692	
21	Lime	389		1.41	"	693	
3	Shale	392		1.45	"	694	
6	Lime	398		2.30	Broken	695	
3	Shale	401		2.44	"	696	
9	Lime	410		3.04	"	697	
127	Shale	537		3.01	Shale	698	
3	Lime	540		2.57	"	699	
11	Shale	551		3.34	"	700	
8	Lime	559		3.18	"	701	
4	Shale	563		3.06	"	702	
4	Lime	567		38	Shale	740 T.D.	
9	Shale	576					
7	Lime	583					
5	Shale	588					
3	Lime	591					
11	Shale	602					
4	Lime	606					
16	Shale	622					
3	Lime	625					

RECEIVED
STATE CORPORATION COMMISSION

MAR 13 1989

CONSERVATION DIVISION
WELL LOGS