UTAH SOUTHERN OIL COMPANY

Log of King Well No. 1
Salt Valley Area - Grand County, Utah

Location: SE¼ Section 13, Twp. 23 South, Range 20 East.

Spudded: May 27, 1928.

43-019-11559
PPA

120325

From	To	Formation
0	13	Red shale.
13	30	Red shale.
30	155	Brown sandstone
155	370	Brown sand.
370	375	Sand rock.
375	380	Brown sand stone.
380	505	Sand stone.
505	510	Fine hard white sand stone.
510	515	Red shale with breaks.
515	530	Chinlee shale (red) Hard shells - 528' probable top Chinlee shale section.
530	535	Chinlee Shale (red)
535	565	Chinlee Shale (red)
565	575	Chinlee shale - hole coring. Core started at 560.
575	580	Chinlee Shale. Hole coring. Core from 560 to 578.
580	590	Chinlee shale. Shale hardened up.
590	610	Chinlee Shale.
610	645	Red rock.
645	675	Red rock with shale.
675	705	Red rock and hard shells.
705	725	Red shale.
725	740	Sand.
740	755	Red rock with shells.
755	775	Red rock very hard.
775	795	Fine grained red rock.
795	835	Red rock.
835	855	Red Rock and Shell.
855	950	Red Rock.
950	955	Red Rock Shell showing of Oil.
955	975	Red Rock.
975	995	Red Rock. Showing of oil at 990.
995	1020	Red Rock.
1020	1060	Gray Lime.
1060	1080	Black Lime.
1080	1105	Broken Black Lime.
1105	1125	Black and gray lime.
1125	1155	Black Lime.
1155	1175	Gray Lime.
1175	1185	Blue Lime.
1185	1295	Gray Lime.
1295	1315	Broken black Lime - one half barrel of water at 1290 to 1295.

1315	1325	Black Lime.
1325	1340	Gray Lime.
1340	1365	Gray broken Lime.
1365	1385	Gray Lime.
1385	1405	Gray broken lime.
1405	1430	Gray Lime.
1430	1450	Gray broken Lime.
1450	1455	Black Lime.
1455	1480	Black Lime. Struck more water at 1478. Very salty water standing 200 feet in hole.
1480	1495	Fine black Lime. 500 feet water in hole.
1495	1500	Black Lime.
1500	1540	Gray Lime.
1540	1570	Fine gray Lime.
1570	1575	Salt and Lime.
1575	1640	Salt and Lime.
1640	1652	Lime.
1652	2170	Salt.
2170	2180	Salt with thin streaks of Lime.
2180	2200	Shale and Lime.
2200	2230	Lime Gray.
2230	2270	Gray Lime.
2270	2280	Black Lime.
2280	2290	Blue Lime Shale.
2290	2315	Gray Lime.
2315	2360	Salt and Lime.
2360	2780	Salt.
2780	2785	Shale break.
2785	2795	Broken shale.
2795	2810	Broken Shale and Lime.
2810	2825	Salt.
2825	2915	Salt.
2915	2940	Broken Lime and Shale.
2940	2965	Broken Lime and Shale.
2965	2990	Gray Lime Broken.
2990	3001	Gray Lime Broken - shut down--hole caving. November 23, 1928.
		March 28, 1929
3001	3126	Salt.
3126	3130	Salt, cored.
3130	3569	Salt.
3569	3580	Gray Lime. Hard.
3580	3585	Gray Lime.
3585	3595	Lime cored.
3595	3615	Gray Lime.
3615	3620	Limy Shale. Some hard spots.
3620	3630	Lime cored. Unable to get good core. What core we get shows very changeable formation, Gray lime, Black lime, Gray sandy lime, and gray shaly lime.
3630	3650	Lime and Shale.
3650	3680	Gray Lime.
3680	3765	Salt.
3765	3767	Heaving blue shale.
3767	3770	Blue Lime.
3770	3775	Lime pebbles all sizes - bentonite. Blue shale and mud. Gray Lime.
3775	3780	Conglomerate and Blue Mud. Hole heaving. Shut down. April 27, 1929

July 13, 1929

3780	3796	Cleaning out.
3796	3810	Blue Shale. Hole caving.
3810	3829	Black Shale. Shut down.

August 22, 1929

NUMBER	LOCATION	LAND STATUS	OPERATOR AND WELL NUMBER	FIELD OR AREA	COMPLETED	ELEVATION	GEOLOGIC FORMATIONS SURFACE	GEOLOGIC FORMATIONS BOTTOM	TOPS: DEPTH IN FEET FROM SURFACE	REMARKS CONCERNING PRODUCING HORIZONS OR SHOWS	TOTAL DEPTH	WELL STATUS
10-74	W NWNE 16-22S19E	S	Utah Drilling & Development Co: #1	Crescent	10-?-45	4729	Mancos	Morrison		Oil show Jm 1055-80'.	1,215	Abd
10-75	NENENE 16-22S19E	S	Reeder Corp. #1	Salt Valley	12?-?-41	4750?	Mancos	?			1,426	Abd
10-76	SESESW 20-22S19E	Pu	Grand Pyramid Oil Inc. #1	Crescent	7-?-53	4630	Mancos	?	Kd 1430'.		1,430	Abd
10-77	NWSE 23-22S19E	Pu	Big Six Oil Co. #1	Salt Valley	12-?-41	4670	Mancos	Morrison?			1,130	DSI
10-78	SESE 9-22S20E	Pu	Raddatz-Vogel-Travis #1	Thompson	10-3-25	4830	Mancos	Morrison			1,450	Abd
10-79	NWNE 21-22S20E	Pu	Hope Syndicate #1	Thompson	10-22-25	5250	Mancos	Morrison			1,400	Abd
10-80	NWNW 33-22S22E	Pu	Utah Southern Oil Co. #1	Cisco	4-?-37	4785	Morrison	Hermosa		Water well temperatures at following depths: 60° F, 100'; 66.6°, 1000'; 76.1°, 2000'; 86.8°, 3000'; 96.5°, 4000'; 106.9°, 4800'.	6,715	Abd
10-81	SESE 6-22S23E	Pu	P. D. Jones #1	Saleratus Creek	1900	4600	Mancos	Morrison		No shows of oil or gas.	1,800	P&A
10-[illegible]	NWNWNE 25-23S18E	Pu	British-American Petroleum Co. #1	Ten Mile Wash	1912	4800?	Morrison	Entrada		Water at 350'.	530	Abd
10-[illegible]	NWNW 36-23S18E	S	W. P. Whisnant, et al #1	Ten Mile Wash	12-23-43	?	Mancos	Wingate			1,136	P&A
10-[illegible]	SESE 18-23S19E	Pu	Hagen #1	Ten Mile Wash	1913	4800?	Mancos	Morrison		Fresh water at 425', salt water 600' and 870', showing of oil 910'.	920	Abd
10-[illegible]	NWSW 26-23S19E	Pu	Moab Oil Co. #1	Ten Mile Wash	1912	4800?	Mancos	Mancos			700	Abd
10-86	SWSENW 2-23S20E	S	Pure Oil Co. #1	Northeast Salt Valley	2-4-49	5242	San Rafael Group	Paradox	Jw 1275', Rc 1565', Rsh 1980', Rm 2060', Cpp 2480', Salt 2780'.	Schlumberger run at 1385'.	3,036	P&A
10-87	SESE 5-23S20E	Pu	Western Allies #1	Salt Valley	1919	?	Jurassic	Paradox		Show of oil and gas, salt and epsomite at 775-825', small show of gas and oil at 825'.	825	P&A
10-88	SENESE 13-23S20E	Pu	Utah Southern Oil Co. #1	Salt Valley	10-23-29	5100?	Kayenta	Paradox	Salt sequence 1570' to total depth.	Salt water 1478-1480' Cph.	3,829	Abd
10-89	NENWNW 32-23S21E	S	King Oil Co. #1	Salt Valley	11-26-53	4870	Paradox	Paradox		Show oil 3294-3358'. Shot with 308 quarts nitroglycerin, but no oil or gas by bailing.	3,550	Abd
10-90	C NWNW 32-23S21E	G	Utah Southern Oil Co. #1	Salt Valley	10-27-32	4870	Paradox	Paradox	Cpp 6120'.	Log is available on photostats. Oil showings from 3387-3436'. Water sands 840-850'.	6,120	P&A
10-91	SWNWNE 36-24S22E	S	Grand River Oil & Gas Co. #1	Castle Creek	1-5-50	3999	Moenkopi	Granite Wash-Rico	Pr 1930'.	Hole left open above 350'. May be used for water.	3,711	Abd
10-92	SWNESE 12-24S23E	Pu	Harry P. Hubbard #1	Onion Creek	5-15-51	4481	Cutler	Paradox Member of Hermosa ?		Entire column was Arkosic in character.	7,955	P&A
10-93	SESE 2-25S20E	S	Great Lakes Carbon Corp. #1	Seven Mile	8-15-46	?	Rico	Paradox			3,655	Abd
10-[illegible]	SWSE 12-25S20E	Pu	Columbia Crude Corp. #1	Seven Mile	10-26-38	4700	Rico	Paradox	Salt 2440'.	Only creditable showing of oil was in three feet of sand from 2130-2133'.	4,243	Abd
10-95	NESW 20-25S21E	Pu	Empire Petroleum Co. #1	Moab	7-?-26	4400	San Rafael	?			235	Abd
10-96	NENE 27-25S21E	Pu	Embar Oil Co. #1	Moab	1926	4030	Jurassic	?			300	Abd
10-97	SENW 34-25S21E	Pu	Embar-Big Six Oil Cos. #1	Moab	3-2-28	4000	Hermosa	Paradox		Oil and gas showing at 2380-2420', 2870', 3000', 4303', and 4880'.	5,345	Abd
10-98	SESESE 35-25S21E	P	Great Lakes Carbon Corp. #1	Moab	1-?-43	?	Hermosa	Paradox			3,367	Abd
10-99	NESE 16-25S23E	S	Grand River Oil & Gas Co. Sid Pace #1	Castle Creek	11-?-50	?	Alluvium	?			1,725	Abd
10-100	SENWNW 11-26S19E	Pu	Glen M. Ruby #1	Big Flat	8-22-51	6040	Kayenta	Moenkopi	Rm 928'.	Unable to recover tools due to caving.	1,008	Abd
10-101	SENWNW 11-26S19E	Pu	Glen M. Ruby #1-A	Big Flat	5-26-53	6033	Kayenta	Devonian	Jw 230', Rc 550', Rsh absent, Rm 925', Pcu-Pr 1395', Cphu 2085', Cph-Cpp 4100', Salt 4158-7520', Cpmo 7821' -4" only - Cml 7821', D 8105'.		8,213	Abd

Note: Wells for each county are "spotted" on the accompanying map.

Note: For abbreviated legend data see explanation before tables.