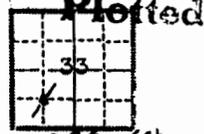


CASING RECORD

LOCATION Center of SW $\frac{1}{4}$

SEC 33 T 32 R 34W Plotted
 33-27-34W R.
 Seward Jul 18 1927

10" 1925 FARM Hitch NO. 1 COUNTY
 20" 356 8 1-4 2769 COMPANY J.A. Vickers and Wm. McGinley.
 15 1-2 799 6 5-8 3407 CONTRACTOR Stearns and Streeter.,
 12 1-2 121 5 3-16 COMMENCED Oct 12, 1926 COMPLETED July 9, 1927



TOTAL DEPTH 4037 SHOT QUARTS BETWEEN
 CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO J.A. Vickers,
 W .K.H. Bldg., Wichita, Kansas.,

ELEVATION
 INITIAL PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS.
 REMARKS 7-16-27 CORRECTED COPY.

Formation	Depth	Formation	Depth
quick sand	380	lime white	2470
20" set 366		broken lime	2495
shale blue	415	shale blue	2505
shale light	447	lime blue	2540
red rock	450	broken lime	2590
hole caving.		show gas 2552-2590	
red shale	590	shale blue	2608
15 $\frac{1}{2}$ set 450		lime grey sharp	2642
red rock	757	sand dark	2715
red sand	775	show gas 2640-2715	750,000 cu'
HFW 747		shale brown	2730
red rock	917	lime white	2758
500 BW 865		sand grey	2772
shale red	929	HFW 2758-2772	
light sand	935	sand water	2774
shale red	960	Running 8 $\frac{1}{2}$	2763
lime white hard	972	lime sdy	2825
shale red	977	lime white	2866
lime white	985	shale brown	2873
shale red	990	lime broken	2895
lime white ha rd	995	lime sdy	2920
shale red soft	1010	lime white	2949
lime white HFW 1042	1043	showing gas	2949
sand grey	1048	sand grey	2970
shale brown sdy	1075	lime broken	2990
sand red	1080	lime white	3045
shale brown sdy	1095	shale brown	3055
shale red	1140	sand grey	3057
sand	1230	lime white	3087
red sand	1306	lime grey	3140
shale red	1635	lime white	3200
400' water 1340-90		shale blue	3204
shale blue	1640	shale red	3215
shale red	1675	lime white	3235
lime white hard	1695	shale blue	3241
shale red	1766	lime white	3274
lime broken	1770	shale blue	3276
shale red	1870	lime blue	3312
sd y lime	1875	shale blue	3316
shale red	1880	lime white	3341
shale blue	1888	running 6-5/8	
shale red	1931	sand water	3380
bailing water		lime white	3382
lime white	1938	HFW 3341-60	
shale various colors	1950	sand water	3390
shale red	2155	lime white	3425
shale blue	2210	sand water	3445
lime blue	2230	sand grey	3475
lime and shale	2260	sand white	3480
shale blue	2265	lime white	3495
lime white	2298	shale blue	3497
shale blue	2319	lime broken	3509
lime white	2325		
lime shells	2363		
lime white	2395		
shale and shells	2430		
lime white	2435		
shale blue	2438		

OVER

Center of SW. Seward County.
J.A. Vickers and Wm. McGinley.

Formation	Depth.
white lime hard	3516
water sand	3521
sand white	3525
white lime	3582
water sand	3591
white lime	3600
water 3582-3591	
broken lime	3624
white lime hard	3685
white sand	3690
water 3685-3690	
white lime hard	3735
Blue lime soft	3745
white lime	3790
blue lime	3795
white lime	3835
blue lime	3850
blk lime	3870
blue lime	3910
blue shale	3917
blk lime	3937
blue lime	3962
brown lime	4000
blk lime	4015
Corrected depth steel line measurement 4037	

Company Vickers Pet. Corp.

Sec. 33 T. 32S R. 34W
Loc.

Farm Hitch

No. 1

Total Depth

County Seward

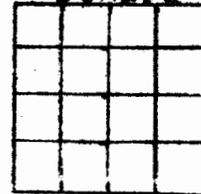
Comm.

Comp.

Shot or Treated

Contractor

Issued



Casing

20 in.	10 in.
15 1/2	8 1/4
12 1/2	6 5/8
13 3/8	5 3/16

Elevation 2890'

Production

Figures Indicate Bottom of Formation

Permian

Whitehorse

Dog Creek

450-960

450-630	One sample Terra Cotta.
630-657	One sample Terra Cotta shale, orange grits connected by gyp.
757-767	Terra Cotta shale.
767-920	One sample Terra Cotta shale with trace of gyp.
920-935	Angular to frosted sand, partially connected by gyp.
935-953	As above with some Terra Cotta shale.
953-960	Terra Cotta shale and gyp.

Blaine - 960 - 1042

Gyp.

960-972	Gyp.
972-977	Terra Cotta shale, gyp and barite.
977-985	Gyp and anhydrite.
985-990	Brown shale.
990-995	Angular to frosted sand cemented by gyp, orange color.
1020-1042	Anhydrite and barite.

Enid 1042 - 1640

1042-1048	Angular to frosted sand, pale orange color.
1048-1140	One sample angular sand, fine, dolomite, anhydrite, and gyp, and some fine, light gray grits.
1140-1195	Bright orange highly polished sand.
1195-1228	As above only paler.
1228-1306	One sample as above.
1306-1500	One sample as above, only darker colored.
1500-1635	One sample as above with Terra Cotta shale and some gyp.
1635-1640	Terra Cotta shale.

Figures Indicate Bottom of Formation

	<u>Wellington</u> 1640-2525
1640-1675	As above with gray dolomite, and angular to frosted sand.
1675-1685	Terra Cotta grits and gray sand.
1685-1810	Red brown shale, one sample.
1810-1860	As above.
1860-1865	Angular grits .
1865-1870	Terra Cotta shale and grits.
1870-1880	Gray and Terra Cotta grits.
1880-1931	Red brown shale.
1931-2155	One sample as above with some anhydrite.
2155-2210	One sample of conchoidal gray green shale.
2210-2230	Gray anhydrite.
2230-2260	Gray and white anhydrite.
2260-2298	As above with salr.
2298-2319	Gray shale and gray anhydrite.
2319-2363	Gray shale and anhydrite.
2363-2395	Gray dolomitic anhydrite.
2395-2430	Gray shale and anhydrite.
2430-2437	As above.
2437-2470	Gray and dark gray shale, and gray anhydrite.
2470-2495	Gray and maroon shale and anhydrite.
2495-2525	Gray shale and anhydrite.
	<u>Marion</u>
	<u>Chase</u> 2525-3045
2525-2542	Gray settled dolomite, and red shale.
2542-2590	One sample gray and maroon shale and anhydrite.
2590-2608	Gray shale and mottled dolomite.
2608-2642	Buff granular dolomite and Chalcedony.
2642-2670	Very porous gray mottled dolomite.
2670-2715	Gray dolomite and brown grits.
2715-2730	Gray and brown gritty dolomite.
2730-2738	Gray to buff granular dolomite.
2738-2758	Gray buff granular very porous dolomite.
2758-2774	Gray buff granular dolomite with gray and maroon shale .
2774-2806	Gray granular dolomite.
2806-2822	Granular lime.
2822-2845	Gray granular lime and chert.
2845-2857	Gray granular lime and some chert. <u>Crinoids with Fusulina 3 sp.</u> & <u>Schwagerina 1 sp.</u>
2857-2866	Gray granular lime.
2866-2873	Maroon and some gray shale with dolomite.
2873-2895	Light buff lime and some dolomite.
2895-2920	Light and dark maroon grits.
2920-2949	Light buff granular lime.
2949-2970	Gray chert and gray lime. <u>Triticites ventricosus & Fusulina sp.</u>
2970-2980	Gray lime/
2980-2990	Buff lime with some maroon shale.
2990-3045	Buff lime, with gray and maroon shale, and a trace of chert. <u>Fusulina sp.</u>
	<u>Garrison-Cottonwood</u> 3045-3854
3045-3055	<u>Maroon shale.</u>
3055-3057	White crystalline lime.
3057-3066	Buff lime, agate and maroon shale.
3066-3076	Gray and maroon shale and anhydrite.

Figures Indicate Bottom of Formation

3568-3590	Gray to buff crystalline lime. <u>Triticites ventricosus.</u>
3590-3596	Gray buff crystalline lime.
3596-3602	As above rather platy and dense.
3602-3612	Gray to buff crystalline lime.
3612-3622	Granular buff porous lime. <u>Triticites ventricosus.</u>
3622-3648	Granular buff porous lime. <u>Large Paraparchites.</u>
3648-3655	Gray granular buff porous lime; and some gray shale .
3655-3665	Granular buff porous lime.
3665-3674	As above with trace of chert.
3674-3679	Granular buff porous lime and trace of gray green shale.
3679-3699	Granular buff porous lime.
3699-3704	Gray to buff lime and gray green shale.
3704-3713	Granular buff lime and chert.
3713-3731	Gray dense lime. <u>Triticites sp.</u>
3731-3738	Very porous buff lime and some chert.
3738-3745	Gray buff lime and some maroon shale.
3745-3764	Gray buff lime.
3764-3770	Gray lime, rather dense.
3770-3795	Buff granular lime .
3795-3811	Gray granular lime. <u>Triticites sp. & ventricosus</u> (Both common and elongate types, probably the McKissick-Grove.)
3811-3834	Gray to buff granular lime.
3834-3842	Buff granular lime, oolitic and porous.
3842-3846	Buff granular lime.
3846-3854	Gray granular lime. <u>Triticites sp. (Large but very fragmentary)</u>
	<u>Shawnee 3854-4015</u>
3854-3855	Gray granular lime with trace of chert.
3866-3873	Gray shale and gray marl. <u>Triticites cullomensis & Triticites of.</u> <u>Ventricosus.</u>
3873-3880	Dark gray lime.
3880-3886	Rather dense gray lime.
3886-3895	Gray lime rather dense.
3895-3900	Gray to buff crystalline lime with some gray green shale.
3900-3905	Buff crystalline lime.
3905-3912	Dark gray marl and gray shale. <u>Triticites sp.</u>
3912-3919	Dark gray lime.
3919-3927	Dark gray shale and some gray lime.
3927-3937	Mottled dark gray shale and some gray lime.
3937-3942	Matly gray lime.
3942-3965	As above.
3966-3990	Dark lithographic gray brown lime.
3990-3999	Gray finely granular lime.
3999-4015	Dark gray granular marl.