

UNION NATIONAL BANK BLDG., WICHITA, KANSAS.

Plotted

Location c NW 3 7 1

Sec. 32 T25 S R. 19W

Casing Record

County Edwards

AUG 3

1929

10" 1932 Farm H. Tansil Nol
 20" 2868 1/2" 3813 Company America & Wilcox Oil & Gas Co.
 15 1/2" 764 65/8" 4452 Contr.
 12 1/2" 1350 53/16" 4771 Comm. 7-8-28 Comp. 6-15-29
 Total Depth 5195 Shot Quarts Between
 Correspondence Regarding This Well Should Be Referred to



Elevation 2222

Figures Indicate Bottom of Formations

Initial Production

Dry

Date Issued 8-3-29 (CORRECTED LOG)

Formation	Depth	Formation	Depth
river sand Full of wtr	70	wtr sand HFW 3810-55	3855
clay	160	shale blue	3857
gumbo	235	lime	3880
shale	285	blk shale	3895
gumbo	295	lime	3985
shale	300	blue shale	3990
shells	305	lime	3995
shale	385	blue shale	4005
sdv shale	427	sdv lime HFW 4010-4018	4010
shale	465	wtr sand	4018
sand 4 BW 465-75'	475	blue shale	4105
shale	480	lime	4275
sand	520	chat	4277
red rock	530	blue shale HFW 4130-40	4285
wtr sand HFW 530-552'	552	wtr sand	4295
red clay	660	lime	4425
wtr sand	680	sdv shale HFW 4185-95	4435
red rock	830	blue shale	4453
wtr sand	870	lime	4520
red rock	995	red rock	4525
lime	1030	lime HFW 4285-95	4590
red rock	1130	sdv lime drk Show 0 4590-	4597
red sand	1235		97
lime shells	1275	gray sdv lime	4670
red & blue shale	1300	white shale	4685
lime	1310	sdv lime	4700
shale Some wtr frm 1312-30	1312	pink shale	4725
lime	1330	wtr sand	4744
red rock & salt	1450	sdv lime	4776
red rock	1515	wtr sand	4812
red rock	1655	sdv lime HFW 4787-4792	4820
lime & shells	1855	sdv lime HFW 4820-4826	4826
Salt, lime & shells run together, could not tell exact thickness		lime HFW 4826-4841	4841
gray shale & salt	1890	lime HFW 4856-4861	4856
salt & shale	2005	sand	4861
salt, lime & shells	2255	lime	4870
lime	2265	sdv lime	4895
shale	2275	sand HFW 4895-4905	4905
lime	2285	lime	4921
shale	2290	sdv lime	5005
lime & shells	2705	lime	5013
shale	2715	white sand	5029
lime & shells 5 BW 2670	2805	lime	5107
shale	2820	shale light	5115
lime & gray shale	2840	green shale	5130
sdv red rock	2845	white lime	5139
lime & shells HFW 3170-80	3170	white sand	5179
wtr sand	3180	shale	5183
lime	3190	blue shale	5195
blue shale	3210	TD	5195
lime & shells	3320		
blue shale	3395		
lime & shells	3570		
blue shale	3610		
lime	3615		
blue shale	3620		
lime HFW 3720-3745	3720		
wtr sand	3745		
lime	3785		
shale	3800		
brkn lime	3810		

Company Amerada-Wilcox

Sec. 32 T 25S R. 19W
Loc. C-NW-SW

Farm Tansil No. 1

Total Depth

Comm.

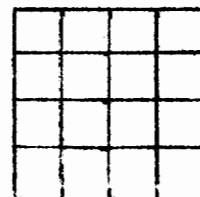
Shot or Treated

Contractor

Issued

Comp.

County T



Elevation 2222

Production

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

Figures Indicate Bottom of Formation

Log by R. Roth

TOP	BOTTOM	FORMATION
		<u>Dakota</u> 70-180
70	80	Gravel and clay, Arkosic.
80	100	Some Bentonite. Very arkosic.
160	180	Bird shot dolomite and fine angular sandstone. <u>Bentonitic</u>
		<u>Kiowa Shale</u>
		<u>Dakota Fuson</u> 180-425
180	220	Grey shale. <u>Gastropods and Fish Teeth</u>
220	230	Burnt amber shale. Some angular sandstone.
230	240	Grey shale. Dense brown limestone and angular sandstone.
240	310	Grey shale. Grey spores. Shell spores. Shell frag
310	330	Spicules-Ostrea-Prismatic shell fragments. Pyrite with
330	370	Grey shale. <u>Shell fragments Ostrea.</u> some sandstone.
370	400	Fine angular sandstone and shale. Shell frag. Glauconite
400	415	Gray shale and sandstone. <u>Fish Teeth</u> Fish Teeth
415	425	Angular sandstone.
		<u>Morrison</u> 425-475
425	430	Green shale.
430	450	Grey shale, Glauconite. <u>Fish Teeth-Ostropods</u>
450	475	Black platy shale and sandstone. Lingula. Man fossil impressions.
		<u>Unkpapa Sundence</u> 475-555
475	505	Angular frosted sandstone.
505	520	Shaly sandstone. <u>Shell fragments</u>
520	555	Fine sandstone. Shell fragments.
		<u>Greer Formation</u> 555-705
555	660	Burnt amber grits.
660	680	Angular frosted sandstone.
680	705	Burnt amber shale. salt.
		<u>Day Ck. Dolomite</u> 705-725
705	725	Anhydrite and gypsum.

Figures Indicate Bottom of Formation

<u>TOP</u>	<u>BOTTOM</u>	<u>FORMATION</u>
		<u>Whitehorse sandstone</u> 840 - 1140
840	850	Dark brown shale. Some gypsum.
850	940	Angular sandstone & gypsum, and brown shale.
990	1020	Reddish brown grit.
1010	1130	Gray grits, gypsum and brown grits.
11300	1140	Fine orange colored sandstone.
		<u>Dog Ck. Shale</u> 1140 - 1300
1140	1165	Brown grits.
1165	1170	Fine sand grits.
1170	1175	Brown grits.
1175	1185	Gypsum.
1185	1275	Brown grits.
1275	1300	Angular sandstone and brown shale.
		<u>Blaine Cave Ck.</u> 1300 - 1345
1300	1310	Anhydrite and brown shale.
1310	1345	Anhydrite.
		<u>Enid</u> 1345 - 1700
	1350	Brown shale.
1345	1350	Brown shale.
1350	1370	Salt.
1370	1390	Gypsum and gray shale.
1400	1410	Gray and brown shale.
1410	1420	Gypsum and brown shale.
1420	1445	Gray and brown shale.
1445	1480	Brown shale.
1480	1495	Gray and brown shale.
1510	1525	Gray shale and gypsum.
1525	1560	Gray and brown shale. Some gypsum.
1570	1580	Dark gray shale. <u>Spores.</u>
1580	1610	Brown shale.
1610	1635	Gypsum and gray and brown shale.
1635	1640	Gray shale.
1640	1660	Brown shale.
1660	1680	Gray and brown shale.
1680	1700	Brown shale.
		<u>Wellington</u> 1700 - 2300
1700	1780	Gray shale, gypsum and anhydrite.
1780	1818	Gray shale Estheria.
1818	1820	Gypsum.
1820	1845	Gray shale.
1845	1847	Gypsum.
1847	1860	Gray shale.
1860	1870	Salt.
1870	1880	Gray shale. <u>Estheria</u>
1880	1920	Salt.
1920	2120	Salt and gypsum.
2120	2250	Salt.
2250	2300	Gypsum.
		<u>Marion</u> 2300 - 2625
2300	2320	Dark gray shale and anhydrite.
2320	2330	Anhydrite and speckled dolomite.
2330	2340	Gray shale.

Continued from page two

TOP	BOTTOM	FORMATION
2340	2395	Anhydrite and speckled dolomite.
2395	2400	Brown shale.
2400	2412	Buff dolomite. Some ostragen remains wax like.

Company Armerada-Wilcox
page three

Figures Indicate Bottom of Formation

TOP	BOTTOM	FORMATION
2412	2448	Some chert with dark grey shale & reddish grits. <u>Sponge spicules</u> and dolomitic limestone. <u>Quite porous.</u>
2448	2480	Buff granular dolomite limestone.
2480	2490	Gray shale.
2490	2508	Fine light colored dolomite.
2508	2510	Chert and green shale. <u>Echinoid Spines etc.</u>
2510	2535	Fossiliferous limestone.
2535	2540	Brown shale.
2540	2555	Limestone.
2555	2560	Gray and brown shale.
2570	2580	Cherty granular limestone.
2580	2610	Oolitic dissolved, marl & limestone.
2610	2625	Gypsum and grey shale <u>Garrison.</u>
2625	2675	Ft. Riley-Florence Flint ^{2625-270'} <u>Eusulindae.</u> <u>Eusulina dumbari (2 spec)</u>
2675	2690	Granular dolomite & gyp.
2690	2700	Some chert and dolomite.
2700	2720	Gray shale & dolomite. <u>Trilobites-Bairdis.</u>
2720	2750	<u>Matfield</u> ²⁷⁰⁰⁻²⁷⁵⁰ <u>Lime, marl brown & gray calcareous grits.</u>
2750	2755	<u>Wreford</u> ²⁷⁵⁰⁻²⁷⁸⁰ <u>Brown shale.</u>
2755	2770	Lime and gray shale.
2770	2780	Cherty limestone.
2780	2808	<u>Garrison-Cottonwood</u> ²⁷⁸⁰⁻³⁰⁰⁰ <u>Bryozoa fusulinidae.</u> <u>Fusulina dunbari.</u>
2808	2840	Gray shale. <u>Triticites Kosechmani (Neva)</u>
2840	2855	Gray shale & marl, brown & buff limestone.
2855	2865	fossiliferous dark gray shale & limestone. <u>Dertya</u>
2865	2912	Granular limestone cherty.
2912	2960	Gray shale.
2960	2972	Granular cherty limestone. Very fossiliferous.
2972	2980	Granular dolomite many fusulinidae.
2990	3000	Gray shale.
3000	3020	<u>Never</u> ³⁰⁰⁰⁻³⁰²⁰ <u>Colitic limestone & gray shale. Agats.</u>
3030	3050	<u>Almdale</u> ³⁰³⁰⁻³¹⁰⁰ <u>Dolomite, gray and brown shale.</u>
3050	3080	Dark gray shale.
3080	3090	Dolomite and brown shale.
3090	3100	Dark gray shale.
3100	3118	<u>Americus</u> ³¹⁰⁰⁻³²¹⁰ <u>Fine granular brown dolomite.</u>
3118	3130	Gray and green shale. <u>T. ventricosus & T. tumidus</u>
3130	3160	Granular dolomite <u>Fusulina sp.</u>
3150	3165	Marl <u>Fusulina emaciate (Aff)</u>
3165	3170	Lime and chert. <u>Fusulinidae.</u>
3170	3185	Lime <u>Bythocpris</u>
3185	3195	Marl
3195	3210	Limestone <u>Striblotrype</u>

Figures Indicate Bottom of Formation

TOP	BOTTOM	FORMATION
		<u>Waubesauee-Douglas 3210 - 3620</u>
3210	3220	Micaceous green shale.
3240	3285	Platy dark grey shale & some limestone.
3285	3300	Red & green shale and limestone.
3300	3312	Platy dark grey shale.
3312	3340	Brown and greenish grey shale.
3340	3355	Grey shale.
3355	3365	Brown shale.
3365	3400	Grey shale.
3400	3490	Some very dense lime shells. marl.
3490	3500	lime and green shale.
3500	3512	Fine granular limestone. dolomite.
3512	3530	Fine lime & marl.
3530	3550	Grey shale slivers.
3550	3560	Lime.
3560	3605	Black marl, many cytherelles. Gastropods & Crinoides.
3605	3620	Fine white lime to brown granular limestone with some chert, and black marl.
		<u>Kansas City-Lansing. 3620 - 4430</u>
3620	3788	Limestone with some grey shale.
3788	3800	Grey shale.
3800	3880	Lime stone.
3880	3900	Grey and black shale, some lime.
3900	3955	Limestone.
3955	3960	Dark grey shale.
3960	3985	Lime.
3985	3995	Dark grey shale.
3995	4020	Lime and grey shale.
4020	4030	Concretionary marl.
4030	4100	Grey and brown shale with some lime.
4100	4140	Grey shale and lime. T. Lansing.
4140	4185	Lime.
4185	4190	Dark grey shale.
4190	4208	Lime.
4208	4220	Lime quite cherty.
4220	4270	Lime.
4270	4278	Black nodular shale.
4278	4298	Lime.
4298	4335	Lime & gray shale.
4335	4345	Chert
4345	4350	Lime and grey shale.
4350	4380	Lime.
4380	4390	Grey shale.
4390	4410	Lime and grey shale.
4410	4430	Lime.
		<u>Marmaton 4430 - 4599</u>
4430	4435	Dark grey shale.
4435	4455	Lime and grey shale.
4455	4470	Lime.
4470	4490	Grey and brown shale. Varigated shale and shells. <u>Fusulinella sp.</u>
4490	4505	Lime.
4505	4575	Lime and red and green shale. Varigated shale and shells. <u>Pelecypods & Gastropods.</u>
4599	4655	Dark grey platy shale and fossiliferous limestone. <u>Chonetes Mesolobus.</u>

Figures Indicate Bottom of Formation

<u>TOP</u>	<u>BOTTOM</u>	<u>FORMATION</u>
4665	4675	Frosted angular quartzitic sandstone and gray shale.
4675	4680	Glaucconite and gray shale.
4680	4700	Brown and gray shale. Dense lime.
4700	4718	Reddish-brown grits.
4718	4728	Greenish gray shale red grits and red chert sandstone.
4728	4738	Frosted sandstone, green lime, and chert.
4738-	4740	Lime.
4740	4743	Green shale.
4743	4745	Sand grits.
		Welch Chert 4745-4920
4745	4758	White chert and tripoli.
4758	4760	Black shale and chert.
4760	4850	Iron stained chert with some lime. <u>Quite a bit of frosted sandstone in all this chert.</u>
4850	4860	Mississippian
4850	4870	Lime granular & chert.
4870	4875	Gray shale.
4875	4885	Chert.
4885	4890	Gray shale and frosted sandstone.
4890	4895	Granular dolomite.
4900	4920	Lime with some sandstone.
		Like (Mayes) 4920-4995
4920	4940	Granular green gray shale & lime.
4940	4995	Dolomite cherty, some lime.
		Galena 4995-5107
4995	5012	Chert conglomerate tripoli.
5012	5035	Lime and dolomite.
5035	5045	Greasy green shale.
5045	5070	Lime and chert.
5070	5107	Brown dolomite and chert.
		Decora 5107-5189
5121	5155	Green shale with some dolomite.
5155	5175	Frosted angular sandstone with green shale.
5175	5189	Green shale.