

15-051-19138-00-00

COMPANY - DAVIS &amp; AYLWARD

CONTRACT - DAVIS &amp; AYLWARD

DRILLING COMMENCED - 4/5/29

DRILLING COMPLETED - 5/26/29

COMMENCED PRODUCING - May 7, 1929

CASING RECORD: 15½" 410' pulled

12½" 920' pulled

10" 2370' pulled

8½" 2730'

6 5/8" 2992' 250 sacks ce

2" tubing 3056'

5/8" rods 2990'

5' - 20" Wooden conductor

PETER WIELAND WELL NO. A-2 ELEVATION 1867'

NW NE NE 1-13-16W ELLIS CO. Y, KANSAS

330' from North Line 990' fr East Line

LOCATION MADE by C. F. Davis

DRILLED WITH CABLE TOOLS

TOTAL DEPTH - 3056' deepened to 3173'

Deepened to 3178' when reconditioned

BEST PAY - 3000 - 3005'

3071 - 3079'

3152'-3156'

NATURAL PRODUCTION: 1st 19 hrs. 62½ bbls.

2nd 24 hrs. 52½ bbls.

K.C.

FORMATIONSFROM TOREMARKS

cellar	0	15	
slate dark	15	205	1½ BW at 45'
sand water	205	220	HFW 220
slate white	220	230	
slate yellow	230	245	
red rock	245	272	
shale blue	272	289	
sandy shale	290	300	
sand	300	320	
slate	320	330	HFW 320
slate blue	330	339	Run 334' 15½" 70# casing
red rock	339	342	Underreamed to 410'
sand water	342	380	4 BW 360'
shale blue	380	395	
lime	395	400	
shale blue	400	405	
lime	405	410	
sandy lime	410	425	HFW 420'
slate	425	460	
sandy shale	460	490	
sand and iron	490	510	
shale blue	510	515	
slate black	515	540	
slate sandy	540	565	
shale	565	590	
slate	590	600	
red rock	600	635	
slate	635	650	
red rock	650	740	
slate blue	740	750	
red rock	750	760	
lime brown	760	780	HFW
lime and iron	780	830	
sand and iron	830	835	
slate blue	835	845	
red rock	845	877	
lime	877	885	
red rock	885	910	Hole caving HFW
lime	910	915	
chalk	915	920	
lime	920	960	Run 920' 12½" 50# casing
red rock	960	1090	
shale	1090	1135	
red rock	1135	1165	
lime	1165	1175	

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red rock	1175	1210	
slate blue	1210	1315	
salt	1315	1390	
slate blue	1390	1397	
salt	1397	1535	
slate blue	1535	1560	
lime	1560	1580	
slate and shells	1580	1600	
slate	1600	1605	
lime	1605	1610	
slate	1610	1635	
lime white	1635	1650	
red rock	1650	1655	
lime	1655	1665	
shale white	1665	1670	
red rock	1670	1690	
slate shells	1690	1700	
lime	1700	1725	
slate blue	1725	1730	
lime	1730	1735	
slate	1735	1740	
red rock	1740	1745	
lime	1745	1755	
late white	1755	1760	
lime	1760	1770	
ed rock	1770	1780	
lime	1780	1785	
ed rock	1785	1805	
lime	1805	1830	
late and shells	1830	1850	
lime	1850	1860	
hale sandy	1860	1870	
lime	1870	1925	
late	1925	1930	
ed rock	1930	1945	
late blue	1945	1955	
lime	1955	1965	
ed rock	1965	1975	
lime	1975	2010	
ed rock	2010	2018	
lime	2018	2030	
hale white	2030	2040	
lime	2040	2045	
ed rock	2045	2050	
lime	2050	2055	
ed rock	2055	2065	
lime	2065	2090	
late blue	2090	2095	
lime white	2095	2115	
ed rock	2115	2135	
lime	2135	2150	
ed rock	2150	2170	1/4 BW 2150 Hole caving
lime	2170	2200	
late and shells	2200	2215	
lime	2215	2235	
late blue	2235	2248	
lime	2248	2300	
late blue	2300	2305	
lime	2305	2310	
late grey	2310	2330	
late and shells	2330	2370	

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<u>FORMATIONS</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
slate	2370	2373	Set 2370' 10" casing
lime	2373	2375	
shale white	2375	2380	
lime	2380	2387	
slate	2387	2400	
lime	2400	2410	
slate	2410	2418	
gas sand	2418	2428	
shale	2428	2450	
slate	2450	2480	
lime	2480	2500	
slate	2500	2510	
lime	2510	2515	
shale dark	2515	2530	
lime	2530	2545	
slate	2545	2550	
lime	2550	2555	
slate and shells	2555	2595	Hole caving
lime	2595	2605	
slate and shells	2605	2630	
slate blue	2630	2635	2 BW 2635-45
sandy shale	2635	2645	
slate	2645	2665	
lime	2665	2700	
slate	2700	2702	
lime	2702	2704	
slate	2704	2714	
lime	2714	2800	Show of oil 2720' - Set 2730' 8 1/2" casing
slate	2800	2805	
lime	2805	2845	1/2 BW 2830
slate	2845	2850	
lime	2850	2940	Show fo oil 2834' - Good show 2900-2910
slate	2940	2945	
lime	2945	2978	
red shale	2978	2980	Set 6 5/8" casing at 2980'
brown shale	2980	2985	
blue slate	2985	2992	SLM Lowered 6 5/8" to 2992'
lime pay	2992	3005	
slate	3005	3008	When well was first drilled in (2992-3005) 13',
slate	3008	3010	Swabbed at the rate of 5 barrels per hour.
			After swabbing approximately 24 hours, swabbed 2
			barrels for last hour of test. It was drilled
			3 feet deeper (3008) but did not increase any.
			Big pipe was then pulled and the well was then
			swabbed. Started swabbing at 3:00 P.M. and
			swabbed off head (57 1/2 bbls.) at 5PM. a total of
			77 1/2 barrels, including head in 8 hours. Swabbed
			20 barrels from midnight to 6:00 A.M.
lime	3010	3015	
slate	3015	3017	
lime	3017	3020	The well was then drilled 12 feet deeper (3020)
			and swabbed at the rate of 5 barrels per hour.
			increase was due to lime pay from 3017 to 3020'
lime <del>3020</del>	3020	3026	
lime	3026	3056	
TOTAL DEPTH		3056	After well was drilled to 3020, started swabbing
			at 12:30 PM and swabbed off head 12 1/2 bbls. at 1:15
			From 1:15 to 2:15, well swabbed 5 barrels and
			swabbed 5 barrels per hour to 5:15 P.M. Drilled
			to 3026' and swabbed 7 1/2 bbls. per hr. Well
			swabbed 55 bbls. in 11 1/2 hrs.

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TOTAL DEPTH

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3056' Well was put on pump May 24, 1929 and pumped 70 barrels for first 24 hours and second 24 hours after head was pumped off.

Started drilling deeper May 25, 1929 and drilled from 3026' to 3056'. No swabbing test was taken and tubing and rods were run and well pumped 62½ barrels first 19 hours. Pumped 52½ barrels second 24 hours. The deepening of this well did not seem to help the well as it was pumping 50 barrels before being drilled deeper.

DEEPENING RECORD: October 23, 1931 from 3056' to 3173' increased production from 15 to 170 bbls.

lime	3056	3071	
oil sand	3071	3079	First pay 3071-3079 well swabbed 140 bbls. per day
lime	3079	3152	
oil sand brown	3152	3156	Second pay 3152-3156 well swabbed at rate of 8 bbls. per hour
lime white hard	3156	3162	
red rock and slate	3162	3165	
lime	3165	3173	TOTAL DEPTH

#### FIRST ACIDIZING TEST:

Date treated: July 7, 1933 By: Dowell, Incorporated  
Production prior to acidizing - 81 bbls. oil, 1 bbl. water, 18 hrs.  
Amount of acid used - 1000 gallons Perforation at 3017' Blanket - None  
Pressure: About 30# on casing Load - 75 bbls. oil 2 hrs. 15 bbls. added  
20 bbls. added Total 110 barrels

Vacuum - 23 to 25 points (inches)

Production tests after acidizing:	7/9/33	24 hrs.	232 bbls. oil	20 bbls. water
	7/10/33	18 hrs.	150½ bbls. oil	21 bbls. water
	7/12/33	24 hrs.	200 bbls. oil	22 bbls. water

Remarks and other information:

Loaded hole with 75 barrels oil and in 2 hours put in 15 barrels more oil. After 5 gallons water seal 35 gallons paraffin solvent and 1000 gallons of acid were pumped in, 20 barrels more oil was put in hole. Total load 110 barrels. Well went on to vacuum of 23 point as soon as acid hit lime. Perforation was placed at 3017'. Well stood until Sunday A.M. (7AM) 7/9/33  
Date 7/25/33 Report made out by C. F. Davis

#### SECOND ACIDIZING:

Date treated: Oct. 1, 1934 By: Dowell  
Production prior to acidizing - Est. 40 bbls. per day  
Amount of acid used - 1500 gallons  
Perforation at 3020 Blanket - 20 gallons Pressure - None Load - 50 bbls. before  
Vacuum - 26 points 50 bbls. after  
No test after acidizing  
Remarks and other information:  
No way of telling the increase  
Date Oct. 9, 1934 Report made out by C. F. Davis