

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bank Bldg, Wichita, Kansas.

264-21W

POWER OIL COMPANY
Nova Van Patten No. 1

SEC. 26 T. 4 R. 21 W
C - NE $\frac{1}{4}$

DISCOVERY WELL

Total Depth. 3665

County Norton

Commenced: 4-18-39 Completed: 5-21-39

Shot or treated.

Contractor

Issued 6-10-39

CASING

12 $\frac{1}{8}$ 217'
5 $\frac{3}{16}$ 3616'

Elevation.

Production. SWAB 200' b.

Figures Indicate Bottom of Formation.

Clay	40	Lime	3509
Shale & Shells	220	Shale & lime	3530
Sandy shale	242	Shale	3545
Shale & Shells	283	Shale & lime	3561
Soft white line	346	Broken lime	3588
Blue shale & shells	665	Sand	3595
Sandy shale & shs	700	Shale	3600
Shale & sand	815	Conglomerate	3610
Sand	920	Lime	3665
Sandy shale	1096		
Shale	1175	TOTAL DEPTH	3665
Shale & shells	1207		
Soft sand	1222		
Blue shale & shs	1250	TOPS	
Sand	1294		
Sand & green shalo	1456	Top Fort Hays Lime	300
Red shale	1595	Top Anhydrite	1720
Shale	1726	Top Neva Lime	2640
Anhydrite	1787	Top Topeka Lime	3140
Red & blue shale	1920	Top Lansing & Kans. City	3325
Shale	2175	Top Arbuckle	3610
Sandy shale & shells	2215		
Shale	2307	Lime	3295
Lime	2325	Shale	3327
Shale & shells	2360	Lime	3330
Shale	2418	Red shale	3333
Lime & shale	2476	Lime	3340
Shale	2482	Lime & chert	3375
Lime	2519	Lime	3400
Blue Shalo	2537	Broken lime	3425
Shale	2562	Lime	3437
Broken lime	2810	Lime & shale	3473
Shale	2641	Lime	3475
Lime	2682	Cherty green shale	3478
Shale	2764	Lime	3480
Broken lime	2817	Dense lime & groon shalo	
Shale & shells	2961	partings	3482
Lime	3032	Red shale	3484
Lime & shale	3140	Broken lime	3489
Lime	3214		
Broken Lime	3235		

OVE

Power Oil Company
Sec. 26 T. 4 R. 21 W.
Norton County, Kansas.
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1st core	3330 - 40	Recovered 8'
	3330 - 33	Red Shale
	3333 - 38	Porous colitic fossiliferous lime, salty.
2nd core	3475 - 84	Recovered 8'
	3475 - 78	Cherty green shale
	3478 - 80	Fossiliferous lime. Good saturation.
	3480 - 82	Dense white lime with green shale partings.
	3482 - 83	Red shale
3rd core	3617 - 32	Recovered 10'
		Good porous dolomite.

Shows of oil and gas.

Small show of gas 1440-50
Good oil saturation.
3478 - 3480 Porous lime
3483 - 3490 Porous broken lime
3490 - 3500 Streaks of saturated lime broken with red shale.
3500 - 3510 Streaks of saturated lime broken with dense lime and red shale.

Small show oil 3520- 25 probably some water.

Perforated with Lane - Wells

3477 - 3481	36 shots.
3487 - 3491	36 shots.
3491 - 3495	12 shots.

330' fluid in 10 hrs.
2 bbls. H2O 4 bbls. oil.

Acidized by Dowell

Acidized with 1000 gal. Lost acid, leaky connections.
Acidized with 1000 gal. 450 lbs. pressure.
Well swabbed down to approximately 4 bbls. of oil per hour.

Acidized with 6000 gal. 850 lbs. pressure.
Swabbed well down 800 ft. from top.
The well flowed and cleaned hole.
After setting 7 hrs. hole filled 120'
" " 1 hr. " " 120'
" " 15 min. " " 120'

Swabbed approximately 7 bbls. of oil per hour. No free water.