

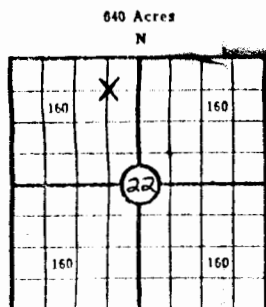
WELL RECORD

22-1-26W

L

API-15-039-20,237

(Mail to Kansas Geological Survey, 4150 Monroe Street, Wichita, Kansas 67209)



Locate well correctly

Lease Name: Richards Well No. 1
 Well Located: C NE NW Decatur Cty.
SEC 22 TWP 1S RGE 26W
 Operator: Abercrombie Drilling, Inc.
 Address: 801 Union Center, Wichita, Kansas 67202
 Elevation: Ground 2451 D.F. 2457 K.B. 2459
 Type Well: (Oil, gas, dry hole) Salt Water Disposal Well

Drilling Commenced: June 20, 1972 Drilling Completed: June 26, 1972 (well log)
 Well Completed: 19 Total Depth June 27, 1972
 Initial Production: D&A (Converted to Salt Water Disposal Well)

Casing Record

Size: 8-5/8" Set at 233' Size: Set at
 Size: 4-1/2" Set at 1931' Size: Set at

Drilled 235' of 12½" surface hole and set 8 5/8" sfs. csg. at 233' cemented w/165 sx. Sunset cement. Cement circulated. Plug was down at 2:00 p.m. 6-20-72. Set 4½" csg at 1931' cemented w/200 sx. of 50/50 posmix w/6% gel and 100 sx. common cement w/10% salt. Cement circulated. Plug was down at 7:45 p.m. 6-26-72.

Cementing

Casing Size	Sacks	Type Cement and Additives
8-5/8"	165	Sunset
4-1/2"	300	200 sx. 50/50 posmix w/6% gel & 100 sx. common cement w/10% salt.

Perforations

Formation	Perforated Interval and Number Shots
Cedar Hills	1620-1670 200 shots

Electric Log Run (Show type log and depths covered)

Gamma Ray, Guard, Neutron & Caliper 3000 to 3565

Show Drill Stem Tests,
Well Stimulation and
Production Tests

Formation	Top	Bottom	
Lansing	3244	3260	15" - 30" - 60" - 45" Recovered 660' salt water w/show of oil IFP 33-106#, IBHP 848#, FFP 139-351#, FBHP 848#.
Lansing	3264	3280	45" - 45" - 90" - 45" Recovered 60' of free oil IFP 14-27#, IBHP 921#, FFP 34-41#, FBHP 909#.
Lansing	3279	3295	45" - 30" - 30" - 30" Recovered 2' mud. IFP 18-18#, IBHP 869#, FFP 21-26#, FBHP 576#.
Lansing	3303	3405	30" - 30" - 35" - 30" Recovered 75' slightly oil cut mud. IFP 37-41#, IBHP 716#, FFP 49-54#, FBHP 716#.
Cedar Hills	1620	1670	Swabbed 65 bbls. water/hr. Injection rate - 4 bbls./min.

LOG TOPS

ARMY	1918
B ARMY	1946
HEEB	3207
TCR	3242
LANS	3250
DKC	3455
GR WASH	3557



0	70	Clay
70	73	Flint
73	90	Sand
90	920	Shale
920	950	Sand
950	1300	Shale
1300	1445	Sand
1445	1580	Shale w/sand streaks
1580	1690	Sand
1690	1919	Shale
1919	1946	Anhydrite
1946	2460	Shale
2460	2860	Shale & Lime
2860	3250	Lime & Shale
3250	3365	Lime
3365	3405	Lime & Shale
3405	3565	Lime
	3565	Rotary Total Depth

ELECTRIC LOG TOPS

Anhydrite	1918 (+ 541)
B/Anhydrite	1946 (+ 513)
Heebner	3207 (- 748)
Toronto	3242 (- 783)
Lansing	3250 (- 791)
B/K.C.	3455 (- 996)
Granite Wash	3557 (-1098)
ELTD	3565 (-1106)