KANSAS DRILLERS LOG

JUL 8 0 RECD
State Geological Survey
WICHITA BRANCH

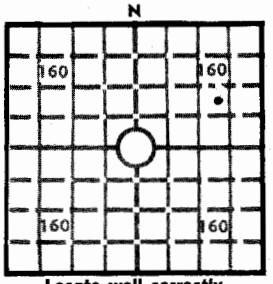
API No. 15 — 009 (County) — 21,747 (Number)

S. 29 T. 20 R. 13 W

Loc. NW SE NE

County Barton

640 Acres
N



Locate well correctly

Elev.: Gr. 1888'

DF 1891' KB 1893'

Operator
Robinowitz Oil Company

Address
6650 S. Lewis, Tulsa, Okla 74135

Well No.	Lease Name
#3	Engleman

Footage Location
1650 feet from (N) line 990 feet from (E) line

Principal Contractor	Geologist
Allen Drilling Company	Lewis O. Chubb

Spud Date	Total Depth	P.B.T.D.
10-26-79	3575 KB	3531

Date Completed	Oil Purchaser
11-02-79	KOCH

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface csg.	12¼	8 5/8	28	261	60-40 Poz mx	365	2% gel, 3% CaCl
Prod. csg.	7 7/8	4½	9.5	3574	60-40 Poz mx	125	10% salt

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3400'	----

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
3	----	3407 - 3410
3	----	3434 - 3446

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 Gals 28% N.E.A.	3406 - 3410 3434 - 3446
3500 Gals 28% N.E.A.	3406 - 3410 3434 - 3446

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
01-29-80	Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	35 bbls.	---- MCF	10 bbls.	---- CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
Vented	3406 - 3410, 3434 - 3446

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Robinowitz Oil Company	Oil

Well No.	Lease Name
3	Engleman

S 29 T 20S R 13 W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Anhydrite	1137		LOGS:	
Heebner	3148			
Toronto	3168		GR-Neutron	2800-3577
Douglas	3185		GR-CCL	2800-3531
Brown Lime	3266			
Lansing	3277			
Base K.C.	-----	3503		
Conglomerate	3520			
T.D.	3577			

DST #1: No cushion, Time Open - 30 min., IFP 186 psi, ISIP 591 psi, FFP 197 psi, FSIP 534 psi. Recovered 275' of mud w/oil spots.

DST #2: No cushion, Time Open - 30 min, IFP 409 psi, FSIP 815 psi, ISIP 882 psi, FFP 545 psi. Recovered 1490' slightly oil & gas cut muddy water.

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

M. L. Dunkwald
Signature

Petroleum Engineer
Title

July 7, 1980
Date

27S01

29-20-13W

DRILLER'S WELL LOG

D[illegible] COMMENCED: 10-26-79
DATE COMPLETED: 11-1-79

Robinowitz Oil Company
Engelman #3
NW/10 SE/40 NE/4, Sec. 29-20-13,
Barton County, Kansas

ELEVATION: 1893' K.B.
1888' G.L.

778	Anhydrite	
3148-3153'	Shale	
3153-3168'	Lime	
3168-3266'	Lime	
3266-3277'	Lime and Shale	
3277-3503'	Lime	
3503-3520'	Lime and Shale	
3520-3577'	Shale, Lime, Chert and Sand	
3577'	RTD	

FORMATION DATA

Anhydrite	778	
Heebner	3148	-1255
Toronto	3168	-1275
Brown Lime	3266	-1373
Lansing	3277	-1384
Base Kansas City	3503	-1610
Conglomerate	3520	-1627
T.D.	3577	-1684

SURFACE PIPE:
Ran 6 Jts. Used 28# 8 5/8" Casing. Tally 251'. Set @ 258' w/265 sks. 60-40 Pozmix, 2% Gel, 3% c.c. Cement did not circulate. Cemented thru 2" w/100 sks. 60-40 Pozmix, 2% Gel, 3% c.c. By Allied. Complete @ 8:00 p.m.

PRODUCTION PIPE:
Set 4½" @ 3574' 33' Shoe Jt. w/125 sks. 60-40 Pozmix, 10% salt, 10 bbl. salt flush. By Allied Cementing.

A F F I D A V I T

STATE OF KANSAS)
COUNTY OF BARTON) ss.

Dale L. Smith, of lawful age, does swear and state that the facts and statements herein contained are true and correct to the best of his knowledge.