

KANSAS DRILLERS LOG

API No. 15 — 033 — 20,336
County Number

Operator

K.R.M. Petroleum Corp.

Address

817 17th St. Suite 820, Denver CO 80202

Well No.

4

Lease Name

L.W. Rhodes

Footage Location

660 feet from (N) (X) line 660 feet from (E) (W) line

Principal Contractor

H-30 Drilling, Inc.

Geologist

Louis Bird

Spud Date

2/6/80

Total Depth

5280'

P.B.T.D.

5225'

Date Completed

6/13/80

Oil Purchaser

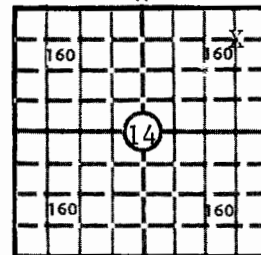
Koch Oil Company

S. 14 T. 34 R. 20 X_W

Loc. C NE NE

County COMANCHE

640 Acres
N



Locate well correctly

Elev.: Gr. 1765'

DF KB 1777'

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	12 $\frac{1}{4}$ "	8-5/8"	24#	785'	Lt. wt. Class "G"	150	3% CC
production	7-7/8"	5 $\frac{1}{2}$ "	14#	5267'	50/50 Poz	200	3% CC, 2% gel 18% salt, .75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	w/csg. gun	5205'-5166'
			2	w/csg. gun	4766'-71'
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8"	4740'	Lok-Set 4740'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/5000 gal. 28% HCL NE acid	5205'-5166'
Acidized w/5000 gal. 15% HCL NE acid w/8 ball sealers	4766'-71'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
6/13/80		Flowing		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	172 bbls.	172 MCF	-0- bbls.	1000 CFPB

Disposition of gas (vented, used on lease or sold)

Reinjected

Producing interval(s)

Swope 4766'-71, Miss. 5205'-5166'

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.

erator

K.R.M. Petroleum Corporation

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Oil & Gas

Well No.

4

Lease Name

L.W. Rhodes

S 14 T 34SR 20 E
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
DST #1: 4458'-4506' (LKC) IHP=2234 30" IFP=71-75 60" ISIP=1597 30" FFP=125-119 63" FSIP=1569 FHP=2182 Fair blow throughout both flow periods. Rec. 180' MSW BHT=110°. DST #2: 4739'-86' (Swope) IHP=2379 30" IFP=185-110 60" ISIP=1731 60" FFP=156-237 120" FSIP=1735 FHP=2330 Strong blow throughout test. GTS in 8". Rec. 630' Gassy free oil, 120' gassy MCO. BHT=128°. DST #3: 5165'-5230' (Miss.) IHP=2629 30" IFP=63-54 60" ISIP=1973 60" FFP=55-47 120" FSIP=1970 FHP=2574 Strong blow. GTS in 14". Rec. 75' GCDM. BHT=118°. Cored 4777'-86'. Ran Go International Cement Bond Log.			Council Grove Cottonwood Wabaunsee Elgin Sand Heebner Toronto LKC Stark Shale Swope Hush Shale Hertha BKC Ft. Scott Cherokee Mississippian RTD	2650 (- 873) 2825 (-1048) 3195 (-1418) 4020 (-2243) 4150 (-2373) 4160 (-2383) 4352 (-2575) 4748 (-2971) 4765 (-2988) 4802 (-3025) 4818 (-3041) 4854 (-3077) 5020 (-3243) 5036 (-3259) 5141 (-3364) 5274 (-3497)

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

Date Received

James Alan Townsend
 James Alan Townsend
 Manager of Operations

Signature

Title

7/16/80

Date

44-34-30m

KANSAS DRILLERS LOG

14-34-20W

COMPANY K. R. M. Petroleum Corporation

SEC. 14 T. 34S R. 20W

FARM Rhoades

NO. 4

LOC. C-NE NE

COUNTY Comanche

ROTARY TOTAL DEPTH 5,280'

COMM. February 6, 1980 COMP. February 20, 1980

CONTRACTOR H-30, INC. (Rig #77)

ISSUED February 28, 1980

CASING

60' of 16" Conductor pipe cemented w/5 C.Y. cement
 10 3/4"
 8 5/8" Set at 785' cemented w/600 sxs cement
 5 1/2" Set at 5,275' cemented w/200 sxs cement
 4 1/2"

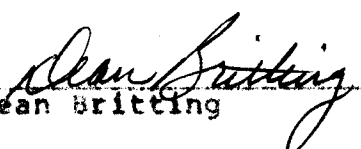
ELEVATION 1,777' K.B.

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed and Sand	103'
Red Bed	785'
Red Bed and Anhydrite	1,450'
Shale and Shells	1,745'
Sand and Shale	2,364'
Lime and Shale	3,980'
Shale and Sand	4,241'
Lime and Shale	4,550'
Lime	4,657'
Lime and Shale	4,946'
Shale and Lime	4,950'
Lime and Shale	5,215'
Lime	5,280'
Rotary Total Depth	5,280'

I hereby certify the above and foregoing to be
 a true and correct log of the above described
 well as shown by the drilling reports.

H-30, INC.


 Dean Britting

State of Kansas)
) ss:
 County of Sedgwick)

Subscribed and Sworn to before me a Notary Public
 in and for said county and state this 28th day of