

The Kansas Geological Survey needs samples from this well For research. Also, if this well penetrates the PreCambrian, the Survey would like to have cuttings that contain crystalline samples. This is in addition to the samples normally sent into the State Geological Survey library.

KANSAS DRILLERS LOG

API No. 15 — 065 — 21,200 State Geological Survey
County Number WICHITA, BRANCH

Operator

Petroleum Managemnet Inc.

Address

400 N. Woodlawn, Suite 201, Wichita, KS 67208

Well No.

1

Lease Name

Lappin

Footage Location

280 feet from (N) line 990 feet from (E) line

Principal Contractor

Pioneer Drlg. Co., Inc.

Geologist

William H. Petersen

Spud Date

Feb. 20, 1980

Total Depth

3612'

P.B.T.D.

Date Completed

Feb. 27, 1980

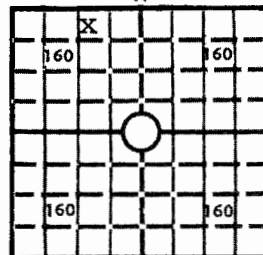
Oil Purchaser

S. 1 T. 6 R. 21 W

Loc. NW NE NW

County GRAHAM

640 Acres



Elev.: Gr. 2196'

DF 2194' KB 2201'

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 1/4"	8 5/8"	28#	201'	Common	125	2% gel, 3% cc
Production	7 7/8"	4 1/2"	9.5#	3611'	H.L.C.	100	
					50/50 poz	150	2% gel, 8% salt

LINER RECORD

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

Shots per ft.	Size & type	Depth interval
See Attached Summary		

TUBING RECORD

Size	Setting depth	Packer set at
2"	3606'	

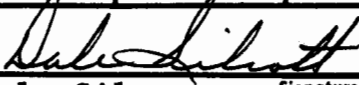
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See Attached Summary	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbls.	MCF	bbls.		
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

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 Petroleum Management, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil	
Well No. #1	Lease Name Lappin		
S 1 T 6S R 21W _E			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
Sand	0	201	Bs. Fort Hays
Cement & Shale	201	360	Anhydrite
Shale & Sand	360	1460	Bs. Anhydrite
	1460	1929	Topeka
Anhydrite	1735	1774	Deer Creek
Shale	1929	2330	Lecompton
Shale & Sand	2330	2399	Oread
Shale & Lime	2399	2475	Haebner
Shale & Lime	2475	2770	Toronto
Shale & Lime	2770	2935	Lans. - K.C.
Shale & Lime	2935	3073	Bs. K.C.
	3073	3222	Sand
Lime & Shale	3222	3293	Granite Wash
	3293	3293	Granite
Shale & Lime	2393	2351	TD
Lime & Shale	3351	3418	
Lime & Shale	3418	3418	
Lime & Shale	3418	3465	
Lime & Shale	3465	3465	
Lime & Shale	3465	3552	
Shale & Lime & Sand & Granite	3552	3612	
RTD	3612		
<u>Drill Stem Test #1 3267 - 3293</u>		<u>Drill Stem Test #3</u>	
OP 45 SI 45 OP 45 SI 45	ICIP	1103	3420 - 3465
Weak to fair blow throughout	FCIP	1050	
both open periods. Recovered	IFP	42-63	OP 45 SI 45 OP 45 SI 45
15' thick mud & 75' muddy water.	FFP	63-84	Weak blow throughout
			first open period, very
			weak blow throughout
			second open period. Re-
			covered 30' of drilling
			mud with a show of oil in
			the tool.
<u>Drill Stem Test #2 3319-3418</u>			
OP 30 SI 30 OP 30 SI 30	ICIP	1103	ICIP 1145
Very weak blow that died in 5".	FCIP	1103	FCIP 1113
Recovered 510' very slightly	IFP	74-222	IFP 32-42
gassy, very slightly oil spotted	FFP	243-338	FFP 42-53
mud.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Dale Silcott Vice President May 14, 1980		

40350

duplicate 15-065-21203
1-6-210

WELL LOG

OPERATOR: Petroleum Management Inc.

WELL NAME: Lappin #1 LOCATION: NW NE NW 1-6S-21W

COUNTY: Graham STATE: Kansas

WELL COMMENCED: February 20, 1980 WELL COMPLETED: February 27, 1980

ELEVATION: 2196' G.L. TOTAL DEPTH: 3612'

PRODUCTION: Oil RIG NO: #2

CASING - 8-5/8": 192.17' of 28# cemented with 125 sxs common 2% gel 3% cc

4 1/2" ~~XXXXXX~~: 3611' of 9.5# cemented with 100 sxs H.L.C., 150 sxs 50-50 poz

2% gel 8% salt 83 JTS. plug down @ 7:15 P.M.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

		DEVIATION	
FROM	TO	FROM	REMARKS:
		VERTICAL	
0'	201'	201' - 1/2 degree	
201'	360'		
360'	1460'		
1460'	1929'	1522' - 1/2 degree	
1735'	1774'		
1929'	2330'		
2330'	2399'	2399' - 1 1/2 degrees	
2399'	2475'		
2475'	2770'		
2770'	2935'		
2935'	3073'		
3073'	3222'		
3222'	3293'		
3293'	3293'		
3293'	3351'		
3351'	3418'		
3418'	3418'		
3418'	3465'		
3465'	3465'		
3465'	3552'		
3552'	3612'		
3612'	RTD		

RECEIVED
STATE CORPORATION COMMISSION
MAR 6

Cont
1-65-21w

SUMMARY
LAPPIN

Perforations

<u>Depth Interval</u>	<u>Amount & kind of material used for treatment</u>
3277 - 79	1 bbl. acid - squeezed w/30 sx of 60-40 pozmix
3346 - 50	150 N.E. 15%, 250 MCA
3360 - 63	No acid
3395 - 99	No acid
3505 - 08	250 MCA
3548½-50½	300 MCA, 1250 N.E. 15%

Cont.
1-65-21w