

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 — 007 — 20,900
County Number

Operator

Voyager Petroleum, Inc. and APC, Inc.

Address

600 One Main Place Wichita, Kansas 67202

Well No.

#1

Lease Name

Mills

Footage Location

1650' feet from (N) (S) line 1980' feet from (E) (W) line

Principal Contractor

BIG KAT DRILLING

Geologist

Charles R. King

Spud Date

2-28-80

Date Completed

4-15-80

Total Depth

4475

P.B.T.D.

4430'

Directional Deviation

N0. N1E

Oil and/or Gas Purchaser

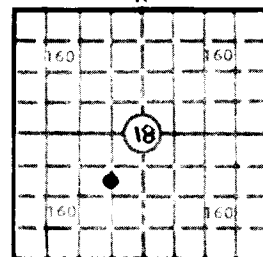
Koch Oil Company

S. 18 T. 32 R. 12 E W

Loc. C S2 NE SW

County Barber

640 Acres



Locate well correctly

Elev.: Gr. 1620

DF 1622 KB 1625

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#	331' KB	Common	250 sx.	3% CaCl ₂ ; 2% gel
Production		5 1/2	14#new	4473'	60-40 POZ	125 sx.	

LINER RECORD

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

Shots per ft.	Size & type	Depth interval
4 spf		4398-4408'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	4371'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
4/7/80 100 gallons 10% mud acid + 200' fresh water	4398-4408'
4/8/80 500 gallons 10% mud acid	
Frac: 22,500# 20/40 sand + 480 bbls Tital XL II system; 10 bbls flush	

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
5/8/80		pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	23 bbls.	0 MCF		bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			4398-4408		

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, 245 No. Water, Wichita, Kansas 67202. 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 APC, INC. & VOYAGER PETROLEUMS, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil	
Well No. 1	Lease Name Govan Mills		
S 18 T 32 S R 12 W E W			
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 DEPTH
DST #! 4396-4437 30 60 90 60 strong blow w/gas to surface in 4 mins. on second open. Rec: 160' oil cut to heavy oil cut and very heavily oil cut mud - 190' clean, gassy oil and 10" muddy water. IBHCIP 1083 psi FBHCIP 1045 psi IFP 53-69 psi FFP 84-130 psi 123° F BHT 4396-4417 Mississippian-Osage Chert, white, gray and tan, vitreous to weathered, good tripolitic, fractured and vuggy porosity. Drilled good, at 1 to 3 minutes per foot. Good to excellent show of free oil, good odor and fluorescence in the wet sample. Rich brown oil saturation in all porosity in the dry sample. 150 to 200 unit gas kick. The oil show prevails down to 4426' but the porosity does not appear to be as good. The show diminishes from 4426' downward to 4450' where the rocks are barren. The section gets limey at 4442' and becomes a solid, clean limestone at 4464'.			Chase 1937(- 312) Indian Cave 2772(-1147) Sandstone 2804(-1179) Elgin Zn 3555(-1930) Heebner 3683(-2058) Douglas 3717(-2092) LKC 3850(-2225) Stark 4222(-2597) BKC 4284(-2659) Marmaton 4290(-2665) Miss 4394(-2769) Porosity 4396(-2771)
Schlumberger DIL FDC & CNL			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature APC Inc. Operator Title 8/20/80 Date		