

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA BRANCHS. 34 T. 8S R. 17W
Loc. SW NW NEAPI No. 15 — Rooks — 163-21,180
County Number

County Rooks

Operator

Columbia Petroleum Inc.

Address

Parkade Plaza, Suite 8; Columbia, MO. 65201

Well No.

1

Lease Name

McMullen

Footage Location

330'

feet from (N) (S) line

330

feet from (E) (W) line

Principal Contractor

Lawbanco Drilling Inc.

Geologist

Eric Waddell

Spud Date

10/31/80

Date Completed

11/06/80

Total Depth

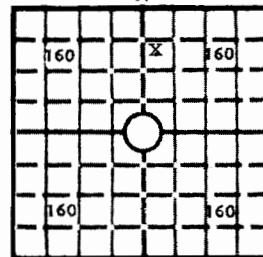
3,503

P.B.T.D.

Directional Deviation

Oil and/or Gas Purchaser

CRA Inc.

640 Acres
N

Locate well correctly

2,027

Elev.: Gr.

DF 2,029

KB 2,032

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 $\frac{1}{2}$	8 5/8	24	160	common	120	Quikset
Long String	7 7/8	4 $\frac{1}{2}$	11	3,502	60/40 poz	100	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jet S.S.B.	3,433-3,439
			3		3,397-3,403
			3		3,374-3,379
			2		3,168-3,173

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8, 4.7#	3,450	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gals. M.A., 15% Non-E	3,264-3,267
250 gals. M.A., 15% Non-E -- 1,000 gals. 20% Non-E	3,374-3,379
500 gals. M.A., 15% Non-E -- 3,000 gals. 28% Non-E	3,397-3,403
250 gals. M.A., 15% Non-E -- 1,000 gals. 20% Non-E	3,168-3,173

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
3-8-1981	pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	3 bbls.	0 MCF	15 bbls.	0	CFPB
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, 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 Columbia Petroleum Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: oil
Well No. 1	Lease Name McMullen	
S <u>34</u> T <u>8</u> S <u>R 17</u> ^E _W		SW NW NE

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
0 to 160 surface dirt, rock & shale				
160 to 1,327 sand & shale				
1,327 to 1,365 Anhydrite				
1,365 to 2,297 sand & shale				
2,297 to 2,787 shale				
2,787 to 3,130 shale & limestone				
3,130 to 3,440 shale & limestone				
3,440 to 3,503 shale & limestone PTD				
DST 3,354 to 3,440				
first initial flow pressure, 60 minutes	111 psi			
shut-in pressure 30 minutes	985 psi			
second flow pressure 30 minutes	132 psi			
final closed-in pressure 30 minutes	809 psi			
recovery -- 124' of mud				

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

Date Received	
	Signature
	Vice President, Columbia Petroleum Inc.
	Title
	12/15/81
	Date