

11-31-4E

KANSAS DRILLERS LOG

API No. 15 — 035 — 20,821
County Number

Operator

SMITHERMAN OIL & GAS CO., INC.

Address

6740 E. Hampden Ave, Denver, Colorado 80224

Well No.

#1

Lease Name

Richards

Footage Location

330 feet from XX (S) line 330 feet from XX (W) line

Principal Contractor

D N B Drilling Co.

Geologist

Robert R. Boley

Spud Date

7/10/75

Total Depth

3464

P.B.T.D.

Date Completed

7/16/75

Oil Purchaser

APCO Oil Corp.

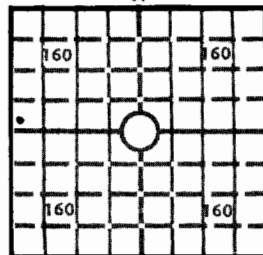
S. 11 T. 3 R. 4 E W

Loc. SW SW NW

County Cowley

640 Acres

N



Locate well correctly

Elev.: Gr. 1287

DF 1285 KB 1282

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	24#	200		200	
Production	7 7/8	5 1/2	15.5#	3462		150	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at
2 7/8	3450	None

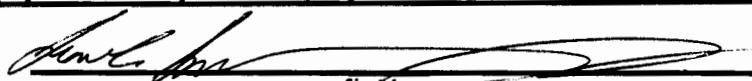
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 Gal. 15% acid	3462 - 3465

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
8/27/75	Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	150 bbls.	None MCF	None bbls.	None	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
			3462 - 3465 open hole		

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 Smitherman Drilling Co.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1	Lease Name Richards		Oil
S 11 T 31 S R 4 E XX			
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
poor-fair por., lite stain, no fl. cons. tite cem. bar ss.	2981	2997	Bartlesville Sand
DST #1 3024-3055 Open 10 M. weak blow closed 30 M. open 30 M no blow closed 15 M Rec. 5' mud oil taste 1st FP 10# / 12# 2nd FP 15# / 18# BHP 1030# / 297# Good fl. ss o&g tr. res. st. gry dn ls.	3024	3055	Miss. Chert
DST #2 3453-64 Open 10 M. closed 30 M. open 40 M. closed 20 M. good blow thruout. Rec. 60' gas 30' sl g c oil 290' HGCO 60' HGCO M 1st FP 25# / 54# 2nd FP 68# / 122# BHP 929# / 524# final flow SI cut short to pull test in day lite gry M-C xln dolo. good xln + vugy por good SO + good odor	3461		Arbuckle Dolomite 3464
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received 	 Signature President September 9, 1975 Date		

11-21-25