

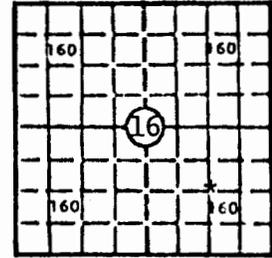
WELL COMPLETION REPORT AND DRILLER'S LOG

S. 16 T. 32 R. 10 <sup>W</sup>

Loc. C SE

County Barber

640 Acres  
N



Locate well correctly

Elev.: Gr. 1467'

DF 1470' KB 1472'

API No. 15 — 007 — 20,968  
County Number

Operator  
Herndon Oil and Gas Company

Address  
P. O. Box 489 Tulsa, Okla 74101

Well No. #1 Lease Name Erma Smith

Footage Location  
1320 feet from (N) (S) line 1320 feet from (E) (W) line

Principal Contractor Union Drilling Co. Geologist Bob Lavmon

Spud Date July 17, 1980 Date Completed Sept. 10, 1980 Total Depth 4402' P.B.T.D. 4393'

Directional Deviation None Oil and/or Gas Purchaser Unknown

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	Socks	Type and percent additives
Surface	12 1/2	8-5/8	24#	272	Common	175	2% gel 3% CC
Production	7-7/8	4 1/2	10.50#	4401	Common	100	18% salt
JUL 01 1988 KANSAS GEOLOGICAL SURVEY WICHITA BRANCH							

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
None			2	DP jet	4375' - 4386'

Size	Setting depth	Packer set at
2-3/8"	4377'	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gallons diesel	4375' - 4386'
6,500# 20-40 sand, 13,500 gallons crude oil	4375' - 4386'

INITIAL PRODUCTION

Date of first production September 9, 1980 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil load oil bbls.	Gas 491 MCF	Water 0 bbls.	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
Vented			4375' - 4386'		

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 Herndon Oil and Gas Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Erma Smith	Gas
S 16 T 32 R 10 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
<p>DST #1 4339'-4382', 30"-60"-45"-90". Gas to surface in 14". Gauged 30,400 cfcpd. Recovered 140' gas cut and oil spotted mud. IFP 70#-94#, ISIP 1517#, FFP 94#-102#, FSIP 1540#.</p> <p>DST #2 4382'-4402', 30"-60"-45"-90". Gas to surface in 35". Gauged 4,710 cfcpd. Recovered 210' heavily oil and gas cut mud, 60' very heavily oil and gas cut mud, 90' muddy oil, 30' oily water. IFP 62#-78#, ISIP 1517#, FFP 86#-110#, FSIP 1509#.</p>			Topeka	3135
			Heebner	3488
			Douglas Sand	3635
			Lansing	3671
			B/KC	4148
			Pawnee	4269
			Ft. Scott	4302
			Cherokee	4321
			Mississippi	4372
			Lot TD	4402
		Electra Radiation Guard Log		

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

Date Received	<p align="center"><i>James H. Duck</i> Signature</p> <p align="center">Vice President Title</p> <p align="center"><i>October 9, 1980</i> Date</p>
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16-32-10W

SEP 8 0 RECD  
State Geological Survey  
WICHITA, KANSAS

CONTRACTOR'S WELL LOG

OPERATOR:	Herndon Oil & Gas Co.
CONTRACTOR:	Union Drilling Co., Inc.
LEASE NAME:	#1 Erma Smith
LOCATION:	C SE Section 16-32S-10W Barber County, Kansas
COMMENCED:	July 17, 1980
COMPLETED:	July 25, 1980

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0	272	Sand & red bed	Set 8-5/8" at 250'
272	480	Red bed	With 175 sacks common cement.
480	4228	Shale	
4228	4289	Shale & lime	
4289	4400	Lime	
4400		TD	

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We certify that the above foregoing is a true and correct copy of the log on the #1 Erma Smith, C SE Section 16-32S-10W, Barber County, Kansas.

Union Drilling Co., Inc.

*R. D. Messinger*  
R. D. Messinger

STATE OF KANSAS     )  
                                  ) SS  
COUNTY OF SEDGWICK )

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid County and State as of this 29th day of July, 1980.

My appointment expires:  
6-2-82

*Cynthia L. Roney*  
Cynthia L. Roney-Notary Public

