

Released 11/16/79

**CONFIDENTIAL**

State Geological Survey

15-119-20319  
7-35-28W

**KANSAS DRILLERS LOG**

WICHITA BRANCH

S.7 T.35 R.28 W

API No. 15 — 119 — 20,319 Recvd. Area Prod.  
County Number

Loc. 660' FWL & 990' FNL

County Meade

Operator  
Mesa Petroleum Company JAN - 9 1978

Address  
P. O. Box 2009 Amarillo, Texas 79105

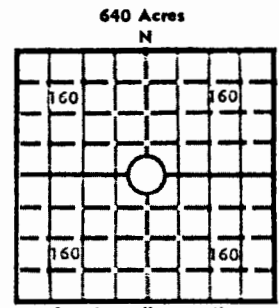
Well No. #2-7 Lease Name Merkle

Footage Location  
990' feet from (N) ISX line 660' feet from JEX (W) line

Principal Contractor Sage Drilling Company Geologist

Spud Date 9/7/78 Total Depth 6423' P.B.T.D. 6152'

Date Completed 10/14/78 Oil Purchaser Koch Oil Company



Elev.: Gr. 2384' GL  
DF 2392' KB 2394'

**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"	23#	1517'	Lite "H"	600 sxs 200 sxs	2% cacl 3% Cacl
Production	7 7/8"	4 1/2"	10.5#	6416'	"H" 50-50 Poz	50 sxs 375 sxs	8% gel, 10% salt, 12 1/2# gilsonite 18% salt, 12 1/2# gilsonite, 3/4% CFR-2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1 HPF		5998' - 6129' (Overall)

**TUBING RECORD**

Size	Setting depth	Packer set at
2 3/8"	6009'	

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
Acidized w/ 2000 gal 15% , 24,000 gal Wes Pad "A" and 24,000 gal 15% ser. 70 Acid.	5998' - 6129'

**INITIAL PRODUCTION**

Date of first production 10/16/78 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	35 bbls.	60 MCF	0 bbls.	1714 CFPB

Disposition of gas (vented, used on lease or sold) Vented Producing interval(s) 5998' - 6129' Overall

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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

KSGS (2), Dvr. Office,

Operator  
Mesa Petroleum Co.

DESIGNATE TYPE OF COMP.: OIL, GAS,  
DRY HOLE, SWDW, ETC.:  
Oil

Well No. #2-7  
Lease Name Merkle

S 7 T 35S R 28W<sup>E</sup><sub>W</sub>

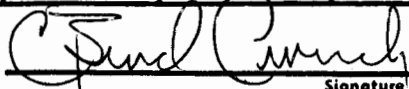
**WELL LOG**

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
SEE ATTACHED DRILLER'S LOG				

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

Date Received	
	Staff Engineer
	10/26/78
	Signature
	Title
	Date

OCT - 4 1978

DRILLERS LOG

MERKLE NO. 2-7

JLF		GD	
SD		BC	
		TLS	

CASING RECORD: OPERATOR: Mesa Petroleum Co. DESCRIPTION:  
 8-5/8" set @ 1517' CONTRACTOR: Sage Drilling Co., Inc. 990'FNL & 660'FWL  
 w/800 sax cement COMMENCED: September 7, 1978 Sec. 7-35S-28W  
 Meade County,  
 Kansas.  
 TOTAL DEPTH: COMPLETED: September 25, 1978  
 6410'

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Red Bed	0	1576	
Red Bed & Shale	1576	2160	
Shale	2160	2530	
Anhydrite & Dolomite	2530	2988	
Lime & Shale	2988	4560	Ran DST#1 & 2
Lime & Shale	4560	5975	Ran DST#3
Lime & Shale	5975	5995	
Shale & Lime	5995	6080	Ran DST#4
Lime & Shale	6080	6410	Logged Hole; 4½" set @ 6416' w/425 sax cement

I certify that this is a true and correct copy of the log on the above captioned well to the best of my knowledge.

SAGE DRILLING CO., INC.

By John R. Bartholomew  
John R. Bartholomew

Subscribed and sworn to before me this 28th day of September, 1978.

Louise K. Whitted  
Louise K. Whitted, Notary Public

My commission expires:  
November 26, 1978.

