

15-207-19746

Form 201.34 10-62

THE PURE OIL COMPANY

WELL LOG AND RELATED DATA

Tulsa Area - Virgil Field

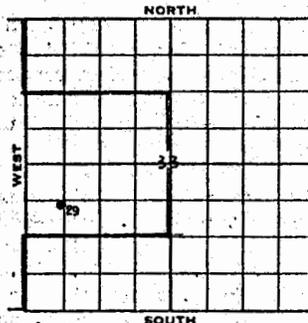
DIVISION Northern Producing DISTRICT Oklahoma City LEASE Headley, W. P.
 ACRES 520 LEASE NO. 34175 AFE NO. 4609-2 ELEVATION Ord. 1134 DF 1135 WELL NO. 29
 LOT-SEC. 33 TWP. 23 S RGE. 14 E PRCT-DIST-TWP. -
 SURVEY - COUNTY Woodson STATE Kansas

LOG			
FROM	TO	TOTAL	FORMATION
0	525	525	Shale w/thin interbedded shale streaks (E.L. TOP)
525	KANSAS CITY		
525	732	207	Limestone w/thin shale stringers
732	792	60	Sand
792	846	54	Shale
846	973	127	Limestone w/thin shale stringers (E.L. TOP)
973	MARMATON		
973	996	23	Shale
996	1004	8	Sand
1004	1305	301	Shale w/thin limestone stringers (E.L. TOP)
1305	SQUIRREL		
1305	1311	6	Sand
1311	CHEROKEE		
1311	1405	94	Shale
1405	CATTLEMAN SAND		
1405	1427	22	Sand
1427	1554	127	Shale (E.L. TOP)
1554	BARTLESVILLE		
1554	1574	20	Sand
1574	1667	93	Shale (E.L. TOP)
1667	MISSISSIPPI		
1667	1686	19	Dolomite
1686	1725	39	Limestone
1725			<u>TOTAL DEPTH</u>
	PLUGGED BACK		
1725	1720	5	(Gmt. in 5 1/2" casing)

(All measurements taken from ground level)

1668 1686 PAY ZONE

LOCATION
 1973 FEET NORTH OF SOUTH SECTION LINE
 643 FEET EAST OF WEST SECTION LINE
 3353 FEET SOUTH OF NORTH SECTION LINE
 4665 FEET WEST OF EAST SECTION LINE



SCALE 2"=1 MILE

CASING AND CEMENTING RECORD

SIZE CASING	8-5/8"	5 1/2"		
THREAD	8V	8rd		
WEIGHT	24#	15#		
GRADE	IP	H-40		
CONDITION	D	B		
SET AT	20	1722		
BACKS CEMENT	5	375		
SIZE OF HOLE	11"	7 7/8"		

5 1/2" casing cemented to surface

LINER RECORD

SIZE	WT.	COND.	LENGTH	BLANK	PERF.	SET AT

GUN PERFORATING RECORD

DATE	CASING	FROM	TO	SIZE SHOTS	NO. SHOTS
10/6/63	5 1/2	1668	1686	Link Jet	54

SHOT OR ACID RECORD

DATE	TOP	BOTTOM	SHOT-ACID	REMARKS
10/15/63	1668	1686	1000 G.	

DRILLING: COMMENCED 9/26/63 COMPLETED 10/1/63
 ELECTRICAL SURVEY BY (1) DATE _____
 DRILLED WITH (Fees Drlg. Co.) Rotary TOOLS _____
 DRILLED IN WITH (Fees Drlg. Co.) Rotary TOOLS _____
 FIRST PROD. - NAT. DATE (2) HRS. _____ BBLs. _____ OIL _____
 WATER _____ M CU. FT. GAS _____ LBS. ROCK PRESS. _____
 FIRST PROD. AFTER ACID - DATE _____ HRS. _____ BBLs. _____ OIL _____
 WATER _____ M CU. FT. GAS _____ LBS. ROCK PRESS. _____
 GAS/OIL RATIO _____ POTENTIAL _____ BBLs. _____
 GRAVITY _____ TEMP. _____ GRADE _____

(1) Welox (Electric - 1723 - 10/2/63
 Contact Caliper - 1724 - 10/2/63

(2) To be produced by waterflooding

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FROM	TO	TOTAL	FORMATION	FROM	TO	TOTAL	FORMATION
ADDITIONAL WELL DATA							
ANGULAR DEVIATIONS							
DEPTH			DEGREES OFF VERTICAL				
531			1				
996			1				
1608			1/2				
P.B. & PERFORATE							
Set 5 1/2" casing at 1722' with 375 sacks. Top of cement plug at 1720', New plugged back total depth. Welox ran correlation log and perforated 5 1/2" casing in Mississippi Line 1688-1686 with 54 jet shots.							
ACID: 10/15/63							
Ran 2 7/8" tubing to 1688'. Dowell treated Miss. lime thru perf. 1668'-1686' w/ 1000 gal.s. Xw 15% acid and 54 ball sealers. B.D. pressure 500#, Max. TP 1000#, Min. TP 500#, Immediate SIP 300#, decreasing to 50# in 15 minutes. Flushed with 22 bbls. salt water, ending flush at 550#. Avg. Inj. Rate 4 BPM.							

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WELL LOG AND RELATED DATA

DIVISION_NORTHER PRODUC. DISTRICT_OKLAHOMA CITY LEASE_HEADLEY, W.P.

ACRES_520 LEASE No._34175_AFE No._4609-2_ELEVATION_GRD. 1134 WELL No._29

LOT-SEC._33 TWP._23 S RGE._14 E PRCT.-DIST.-TWP NA

SURVEY NA COUNTY_WOODSON STATE_KANSAS

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THREAD	8V	8RD
WEIGHT	24#	15#
GRADE	LP	H-40
CONDITION	D	B
SET AT	20	1722
SACKS OF CEMENT	5	375 *
SIZE OF HOLE	11"	7-7/8"

DRILLING START: 9-26-63 END: 10-1-63
 ELECTRIC SERVEY (1) DATE _____
 DRILLED WITH FEES DRLG. CO. _____ TOOLS
 DRILLED IN WITH (SAME) _____ TOOLS

GUN PERFORATING RECORD

DATE	CASING	FROM	TO	SIZE	NO.
10/6/63	5-1/2	1668	1686	LINK JET	54

(1) WELEX ELECTRIC - 1773 - 10/2/63
 CONTACT CALIPER- 1724 - 10/2/63
 (*) 5-1/2" CEMENTED TO SURFACE

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