

KANSAS DRILLERS LOG

API No. 15 ————— County ————— Number —————

Operator

DONALD C. SLAWSON

Address

200 Douglas Building Wichita, Kansas 67202

Well No.

1

Lease Name

Miller 'LL'

Footage Location

440' feet from ~~XX~~ (S) line 510' feet from ~~XX~~ (W) line of SE/4

Principal Contractor

Slawson Drilling Co., Inc.

Geologist

Ralph Ruwwe

Spud Date

May 4, 1978

Total Depth

4630'

P.B.T.D.

4350

Date Completed

May 15, 1978

Oil Purchaser

KOCH

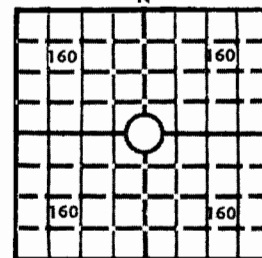
S. 34 T. 9S R. 33W E W

Loc. Appr/ C SW SE

County Thomas

640 Acres

N



Locate well correctly

Elev.: Gr. 3132

DF 3134 KB 3137

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"	28#	374'	60/40 poz	225	2% gel, 3% cc
Production	7 7/8"	4 1/2"	10.5#	4629'	50/50 poz	200	18% salt 3/4 of 1% CFR-2, 10# sugar
					common	25	
					mud flush gilsonite	500 gal 2# per sx	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Packer set at
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2 shots/ft.	"golden"	4243-46
		4249-51

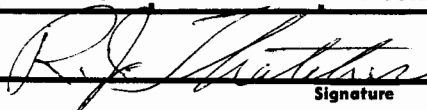
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
300 gal MCA	4243-46
	4249-51

INITIAL PRODUCTION

Date of first production May 26, 1978	Producing method (flowing, pumping, gas lift, etc.) pumping
RATE OF PRODUCTION PER 24 HOURS 123 bbls.	Gas TSTM MCF
Water 100 bbls.	Gas-oil ratio — CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s) 4243-46 4249-51

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 DONALD C. SLAWSON		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:																									
Well No. #1	Lease Name Miller 'LL'	Oil																									
S 34 T 9S R 33W E 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">NAME</th> <th style="width: 50%; padding: 5px;">DEPTH</th> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;"> CASED HOLE LOG TOPS </td> </tr> <tr> <td style="padding: 5px;">ANH 2638 (+499)</td> <td></td> </tr> <tr> <td style="padding: 5px;">B/ANH 2666 (+471)</td> <td></td> </tr> <tr> <td style="padding: 5px;">HEEB 4018 (-881)</td> <td></td> </tr> <tr> <td style="padding: 5px;">TORO 4042 (-905)</td> <td></td> </tr> <tr> <td style="padding: 5px;">LANS 4060 (-923)</td> <td></td> </tr> <tr> <td style="padding: 5px;">MN CK 4195 (-1058)</td> <td></td> </tr> <tr> <td style="padding: 5px;">STK 4277 (-1140)</td> <td></td> </tr> <tr> <td style="padding: 5px;">B/KC 4335 (-1198)</td> <td></td> </tr> <tr> <td style="padding: 5px;">L/CHER 4561 (-1424)</td> <td></td> </tr> <tr> <td style="padding: 5px;">LTD 4585 (-1448)</td> <td></td> </tr> </table>	NAME	DEPTH	CASED HOLE LOG TOPS		ANH 2638 (+499)		B/ANH 2666 (+471)		HEEB 4018 (-881)		TORO 4042 (-905)		LANS 4060 (-923)		MN CK 4195 (-1058)		STK 4277 (-1140)		B/KC 4335 (-1198)		L/CHER 4561 (-1424)		LTD 4585 (-1448)	
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0 - 415 Surface hole 415 - 680 Shale and shells 680 - 1936 Shale, shells and sand 1936 - 2642 Shale and shells 2642 - 2673 Anhydrite 2673 - 4109 Lime and shale 4109 - 4305 Lime 4305 - 4227 Lime and shale 4227 - 4520 Lime 4520 - 4599 Lime and shale 4599 - 4630 Lime 4630 RTD DST #1 4236-4260 (160' zn) 30-45-45-60, SBT0, Rec. 1650' GIP, 970' TF, 900' CGO 42°, 70' SMO (70% O, 30% M), IFP 32-221#, ISIP 498#, FFP 237-348#, FSIP 490# DST #2 4276-05 (200' zn), 30-45-45-60, G-S-GB, Rec. 1200' GIP, 360' CGO 34°, 180' MO, 10' Tn OCM, (BGO 10% O, 65% M, 25% W), 550' TF IFP 32-127#, ISIP 1216#, FFP 150-222#, FSIP 1152#, 125° DST #3 4600-4630 (JH ZN) 30-45-45-60 SBT0, Rec. 190' GIP, 1480' TF, 1285' CGO 18°, 30' MO, 165' SW, IFP 95-232#, ISIP 2536#, FFP 332-640#, FSIP 2520#, HP 2281-2261#.																											
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.																											
Date Received	 Signature R.J. Thatcher - Engineer Title June 22, 1978 Date																										

22869

duplicate

15-193-20164
34-9-33W

WELL LOG

OPERATOR: DONALD C. SLAWSON
200 Douglas Building
Wichita, Kansas 67202

LEASE: #1 Miller 'LL'
Appr/ C SW SE Sec. 34-9-33W
Thomas County, Kansas

CONTRACTOR: Slawson Drilling Company, Inc.
200 Douglas Building
Wichita, Kansas 67202

COMMENCED: May 4, 1978

COMPLETED: May 15, 1978

CASING: Surface - 8 5/8" @ 409' w/275 sx 60/40 poz
Production - 4 1/2" @ 4629' w/25 sx Common & 200 sx 50/50 poz

0 - 415 Surface hole
415 - 680 Shale and shells
680 - 1936 Shale, shells and sand
1936 - 2642 Shale and shells
2642 - 2673 Anhydrite
2673 - 4109 Lime and shale
4109 - 4305 Lime
4305 - 4227 Lime and shale
4227 - 4520 Lime
4520 - 4599 Lime and shale
4599 - 4630 Lime
4630 RTD

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS.

I, R. J. Thatcher, of the Slawson Drilling Company, Inc. upon oath state that the above and foregoing is a true and correct copy of the log of the #1 Miller 'LL' well.

R. J. Thatcher
R. J. THATCHER