

KANSAS DRILLERS LOG

API No. 15 — County — Number

Operator
Donald C. Slawson & Bruce Anderson

Address
408 One Twenty Building, Wichita, Kansas 67202

Well No. #2 Lease Name Berardo 'A'

Footage Location
1280 feet from (N) (X) line 2310 feet from (E) (X) line

Principal Contractor Slawson Drilling Co., Inc. Geologist George Mueller

Spud Date March 28, 1977 Total Depth 4775 P.B.T.D. 4721

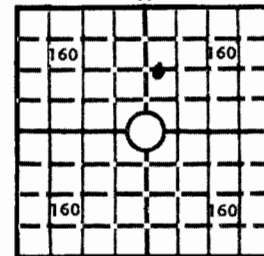
Date Completed April 12, 1977 Oil Purchaser Koch

S. 3 T. 10 R. 33W E

Loc. W/2 W/2 NE

County Thomas

640 Acres
N



Locate well correctly
3138

Elev.: Gr.

DF 3140 KB 3143

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#	410'	60/40 poz	250	2% gel, 3% cc
Production		4 1/2"		4774'	50/50 poz	225	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	3/8" bullet	4607-12, 4616-18
					4621-22
			1	3/8" bullet	4256, 4148, 4118,
					4102
			2	golden jets	4101-04, 4116-22
					4116-22, 4147-49

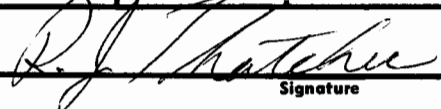
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
3000 gal MOD-202	4607-12, 4616-18 & 4621-22
3000 gal NE-28	4256, 4148, 4118, 4102

INITIAL PRODUCTION

Date of first production 5/4/77	Producing method (flowing, pumping, gas lift, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS Oil 151 BOPD bbls.	Gas TSTM MCF Water trace bbls. Gas-oil ratio N/A CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s) 4607-4622

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 & Bruce Anderson		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: oil		
Well No. #2	Lease Name Berardo 'A'			
S <u>3</u> T <u>10</u> R <u>33W</u> W				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1 3550-3630 (B/Perm) WB/12", 30-30-30-30, Rec. 20' 0 sptd mud, IFP 55-73#, ISIP 1287#, FFP 73-82#, FSIP 1004#			LOG TOPS	
DST #2 4028-4060 (TORO) 30-45-45-60, WStdYB, Rec. 8' 0, 60' OCM, IFP 37-55#, ISIP 1205#, FFP 46-55#, FSIP 1169#			ANH 2646 (+497)	
DST #3 4079-4110 (35' zn), 30-45-45-60, SBT0, Rec. 1100' CGO 21° @ 60°, IFP 73-274#, ISIP 1124#, FFP 292-456#, FSIP 1205#, 120°			B/ANH 2674 (+469)	
DST #4 4107-4120 (50' zn) SBT0, 30-45-45-60, Rec. 1260' CGO 32° @ 60°, 126' OCM, IFP 55-274#, ISIP 1297#, FFP 292-511#, FSIP 1297#			WAB 3684 (-541)	
DST #5 4140-4158 (pkr failed)			HEEB 4022 (-879)	
DST #6 4142-4158 (70-90' zn), SB OB/7", 30-45-45-60, Rec. 220' GIP, 860' TF, 734' CO 36° @ 60°, 126' OCM, IFP 37-183#, ISIP 1205#, FFP 210-347#, FSIP 1159#			TORO 4043 (-900)	
DST #7 4158-4175 (pkr failed)			LANS 4061 (-918)	
DST #8 4162-4175 (100' zn), 30-45-30-30, WB init, VWB final, Rec. 45' So sptd mud, IFP 18-18#, ISIP 1318#, FFP 18-18#, FSIP 1318#, charts show damage			STK 4284 (-1141)	
DST #9 4197-4235 (120,140' zn) 30-45-45-60, W-FB Rec. 158' MW w/scum oil, IFP 36-55#, ISIP 1352#, FFP 73-109#, FSIP 1352#			B/KC 4339 (-1196)	
DST #10 4232-4263 (160' zn), 30-45-45-60, SB OB/3" Rec. 1134' GIP, 1700' O, 42°, IFP 55-192#, ISIP 1297#, FFP 219-420#, FSIP 1297#			MARM 4355 (-1212)	
DST #11 4271-4286 (180' zn), WB, 30-45-45-60, 160' GIP, Rec. 24' CO, 41°, 124' MO, IFP 18-55#, ISIP 1168#, FFP 55-73#, FSIP 1095#			PAWN 4475 (-1332)	
DST #12 4281-4316 (200' zn), WB, 30-45-45-60, Rec. 90' HOCM (sulf odor)(40% O, 60% M) IFP 18-37#, ISIP 1097#, FFP 37-37#, FSIP 1042#			L/CK 4562 (-1419)	
DST #13 4556-4635 (JH ZN), 30-45-45-60, FB inc SB, Rec. 1134' GIP 567' TF, 315' Slmly-cln oil, 126' MO, 63' HOCM (40% O, 63' OCM (16% O) 23° grav. IFP 73-164#, ISIP 456#, FFP 164-274#, FSIP 438#, 130°			JH ZN 4606 (-1463)	
DST #14 4708-4725 (MINGO) 30-45-45-60, WB died/10" on 2nd open, Rec. 156' TF, 93' SOCMW, 63' SOC thick wtry mud, IFP 37-73#, ISIP 1132#, FFP 73-110#, FSIP 1077#			MISS 4656 (-1513)	
			LTD 4774	
		0 - 413	Surface hole	
		413 - 1102	Shale, Shells and Sand	
		1102 - 2497	Shale and Shells	
		2497 - 2643	Shale	
		2643 - 2671	Anhydrite	
		2671 - 2996	Shale, Sand and Lime	
		2996 - 3080	Shale	
		3080 - 4060	Shale and Lime	
		4060 - 4343	Lime	
		4343 - 4450	Lime and Shale	
		4450 - 4775	Lime	
		4775	RTD	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature			
	R.J. Thatcher Title			
	July 19, 1977 Date			

1596L