

KANSAS DRILLERS LOG

API No. 15 — 025 — 20,319
County Number

Operator

Calvin Exploration, Inc.

Address

5680 S. Syracuse Circle, #516 Englewood, Colo 80111

Well No.

#1-30

Lease Name

Harrington

Footage Location

1473 feet from XX (S) line 1190 feet from XX (W) line

Principal Contractor

Sage Drilling

Geologist

Paul Gerlach

Spud Date

9/14/79

Total Depth

5960

P.B.T.D.

5953'

Date Completed

10/25/79

Oil Purchaser

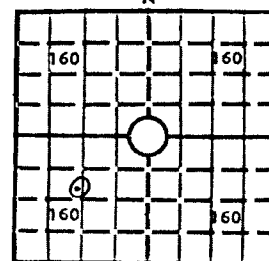
S. 30 T. 34 R. 25 X W

Loc. C E2 W2 SW

County Clark

640 Acres

N



Locate well correctly

Elev.: Gr. 2107

DF 2109.5 KB 2112

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#	1158	Hall. Lite Class "H"	475 200	2% CaCl & 1/4# F. 3% CaCl
Production	7 7/8"	4 1/2"	10.50#	5914'	50/50 Poz	125	18% salt, 1/4# F. & 3/4 of 1% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			22 Total		5802-06', 5810-16'
TUBING RECORD					
Size	Setting depth	Packer set at			
2 3/8	SN @ 5796'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
A/1500 gal. 15% MCA w/30 ball sealers	5802-5816'
Frac 16,000 gal. Versagel 2400 w/12,000# 20-40 sd	5802-5816'
Treated down tbg. w/2000 gal. 5% HCl acid, 200 gal. Methanol and Pen-5 w/700 SCF/bbl. N2 in acid & flush	5802-5816'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
10/13/79		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	250	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
W.O. Connection			5802-5816		

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 Galvin Exploration, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDOW, ETC.:
Well No. 1-30	Lease Name Harrington	Gas
S <u>30</u> T <u>34</u> R <u>25</u> ^{XX} _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
Red Bed	0	200	Chase	2422
Red Bed & Gypsum	200	935	Heebner	4382
Red Bed	935	1160	Lansing	4558
Red Bed & Anhydrite	1160	1712	Marmaton	5248
Red Bed	1712	2114	Cherokee	5444
Lime & Shale	2114	2335	Morrow	5752
Shale & Lime	2335	2470	Chester	5846
Lime & Shale	2470	5840	TD	5953
Lime & Shale	5840	5960		
			Ran DST #1 Logged Hole, 4 1/2" set @ 5914' w/ 125 sax Pozmix	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				

Date Received	Dean R. Galvin Signature Corporate Secretary Title January 17, 1980 Date
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