PL

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey WICHITA, BRANCH

S. 13 T. 32S R. 31W E W

C SW NW

API No. 15 — 175 (County) — 20487 (Number)

County SEWARD

Operator: CALVIN EXPLORATION, INC.

Address: 1125 SEVENTEENTH ST., SUITE 2000, DENVER, COLORADO 80202

Well No.	Lease Name
#1-13	RICHARDSON

Footage Location: 660' FWL feet from (N) (S) line; 1980' FNL feet from (E) (W) line

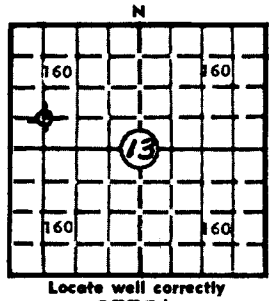
Principal Contractor	Geologist
SEARCH DRILLING CO.	GARY F. CHAVEZ

Spud Date	Date Completed	Total Depth	P.B.T.D.
9-19-80	P & A 10-01-80	5700	

Directional Deviation: 1.0 @ 1681'

Oil and/or Gas Purchaser:

640 Acres



Locate well correctly

Elev.: Gr. 2775'

DF 2783' KB 2785'

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
Conductor	30"	20"		69'	Redimix	10-1/2 yds	
Surface Casing	12-1/4"	8-5/8"	23#	1684'	65/35 Pozmix	700 sx	6% gel, 1/4#D29/sk
					Class H	200 sx	3% CaCl

LINER RECORD — NONE

Top, ft.	Bottom, ft.	Sacks cement

PERFORATION RECORD — NONE

Shots per ft.	Size & type	Depth interval

TUBING RECORD — NONE

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD — NONE

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION — NONE

Date of first production	Producing method (flowing, pumping, gas lift, etc.)

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

Disposition of gas (vented, used on lease or sold):

Producing interval(s):

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, 245 No. Water, Wichita, Kansas 67202. 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.

I

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
CALVIN EXPLORATION, INC.	
Well No. #1-13 / **Lease Name** RICHARDSON	DRY HOLE
S 13 T 32S R 31W (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	NAME	DEPTH
Sand	0	313	SAMPLE TOPS:	
Clay and Gravel	313	525		
Red Bed	525	1684	Cherokee Marker	5240'
Red Bed and Lime	1684	2027	Morrow Fm	5520'
Red Bed, Lime and Shale	2027	2401	Morrow Sd absent	
Lime and Shale	2401	5701	Chester	5564'
Rotary Total Depth	5701			
			P & A	

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

Date Received

Gary C. Wilkins, Vice President Exploration-Production

Title

October 14, 1980

Date