

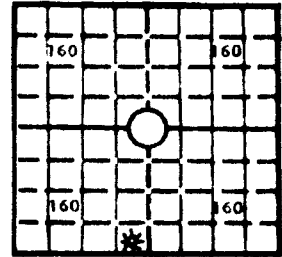
WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 — 119 — 20,349
 County Number

Corrected Location
 S. 24 T. 34 R. 26 E. W
 Loc. 380' FSL & 2110' FWL

County Meade

640 Acres
 N



Elev.: Gr. 2162'

DF 2171' KB 2174'

Operator
 Calvin Exploration, Inc.

Address
 5680 South Syracuse Circle, Suite 516 Englewood, Colo 80111

Well No. #1-24 Lease Name Harrington

Footage Location
 380 feet from ~~XXX~~ (S) line 2110 feet from ~~XXX~~ (W) line

Principal Contractor Sage Drilling Geologist Paul Gerlach

Start Date July 10, 1979 Date Completed Aug. 3 1979 Total Depth 5980' P.S.T.D. 5930'

Directional Deviation Oil and/or Gas Purchaser

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 1/2"	8 5/8"	23.6	1145'	lightweight	425	1/4 lb Flocale per sk
					Class H	200	3% CACL
Production	7 7/8"	4 1/2"	10.5	5979'	50/50 Posmix	125	18% salt-1/4 lb Flocale/sk-.75% CFR.2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					
TUBING RECORD			One	15 holes	5836'-5850'
Size	Setting depth	Pecker set at			
2 3/8"	5806				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Treated with 1,500 gal. 7 1/2% MCA acid w/ 18 ball sealers in last 1,000 gal.	5836'-5850'

INITIAL PRODUCTION

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

RATE OF PRODUCTION PER 24 HOURS	OIL bbls.	Gas MCF	Water bbls.	Gas-oil ratio	CFPB
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Disposition of gas (vented, used on lease or sold) Producing interval (s)
 Morrow 5836-5850

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's 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. Driller's Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Calvin Exploration, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: gas well

Well No. #1-24 Lease Name Harrington

S 24 T 34 R 26 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 & red bed	0	440	Chase	2496
Sand, red bed & anhydrite	440	1145	Heebuer	4416
Red bed	1145	1715		4592
Red bed & shale	1715	2172	Lausing	4592
Shale & lime	2172	2362	Marmaton	5291
Lime & shale	2362	2665	Cherokee	5482
Shale & lime	2665	3176	Morrow	5784
Lime & shale	3176	5150		
Shale & lime	5150	5204	Chester	5878
Lime & shale	5204	5527		
Shale & lime	5527	5594		
Lime & shale	5594	5810		
Shale & lime	5810	5860		
Lime & shale	5860	5874		
Lime	5874	5980		

Ran dual induction
 S.P. - G.R. and
 Comp. Density
 G. R. - Caliper

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

Date Received

Dean R. Calvin
 Signature
Secretary - Calvin Exploration, Inc
 Title
August 31, 1979
 Date