State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

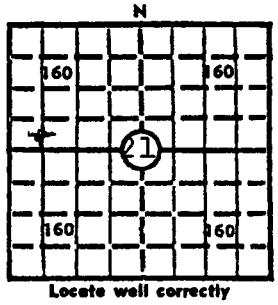
S. 21 T. 15S R. 26 E/W

API No. 15 — 063 — 20393
County Number

Loc. S/2 SW/4 NW/4

County Gove

640 Acres
N



Locate well correctly

Operator: Columbine Exploration Corp

Address: Suite 718 Buaranty Bank Bldg 817 17th St Denver, Co 80202

Well No.: 1

Lease Name: U S GOVERNMENT

Footage Location: 2310 feet from (N) (S) line 660 feet from (E) (W) line

Principal Contractor: C-G DRILLING CO., INC.

Geologist: HARVEY GOUGH

Spud Date: 11/29/78

Total Depth: 4290

P.B.T.D.:

Date Completed: 12/12/78

Oil Purchaser:

Elev.: Gr.

DF KB 2409

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	12¼"	8 5/8"	23#	202.99	Common	175	Quickset
PRODUCTION		4½"		4266'	Common	225	POZMIX

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

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, 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	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
COLUMBINE EXPLORATION	
Well No. 1 / **Lease Name** U S GOVERNMENT	21-15-26(W)
S 21 T 15S 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
SHALE & SAND	1401	1715		
SHALE	1715	1846		
ANHYDRITE	1846	1892		
SHALE	1892	2670		
SHALE & LIME	2670	3030		
LIME & SHALE	3030	3334		
LIME & RTD	3334	4290		

DST #1: 3830-3895' 30-45-90-45, REC 50' HEAVY OIL CUT MUD, 60' OIL CUT MUD, IBHP 1227#, FBHP 905#, IFP 65#, FFP 65#.
DST #2: 3895-3925' 30-45-60-120 REC 130' WTRY MUD W/FEW SPECKS OIL, IBHP 1259#, FBHP 1270#, IFP 65#, FFP 97#
DST #3: 3925-3960' 30-45-60-120. REC 170' MDY WTR, W/TRACE OIL, IBHP 701#, FBHP 669#, IFP 54#, FFP 97#
DST #4: 4266-4290' 30-30-30-60 REC 150' CLEAN OIL, 570' VHOCM, 180' FROGGY OIL, IBHP 1141#, FBHP 1120#, IFP 76#, FFP 238#.

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

Date Received	
	Debra Heersche Signature
	DEBRA HEERSCHE, OFFICE MGR Title
	12/18/78 Date