

54-W

Locate  
Well  
CorrectlyIn triplicate on Fee and Patented lands and in  
duplicate on State and School lands, with

CE OF DIRECTOR

OIL AND GAS CONSERVATION COMMISSION,  
STATE OF COLORADO

RECEIVED  
AUG 22 1955

## LOG OF OIL AND GAS WELL

OIL & GAS  
CONSERVATION COMMISSION

Field Cliff County Logan Lease L. Hiscock Well No. 3 Sec. 32 Twp. 12-N Rge. 54-W Meridian 6th PM State or Pat. Pat.  
Location 660' (N) Ft. (S) of South Line and 660' (W) of East line of NW 1/4 Elevation 4572 G.I.  
(Barrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J. A. Jackman  
Title Division Superintendent

Date July 30, 1955

The summary on this page is for the condition of the well as above date.

Commenced drilling 3:30 PM, May 16, 19 55 Finished drilling May 25, 19 55

## OIL AND GAS SANDS OR ZONES

No. 1, from DRY HOLE to --- No. 4, from --- to ---  
No. 2, from --- to --- No. 5, from --- to ---  
No. 3, from --- to --- No. 6, from --- to ---

## IMPORTANT WATER SANDS

No. 1, from --- to --- No. 3, from --- to ---  
No. 2, from --- to --- No. 4, from --- to ---

## CASING RECORD

SIZE	WT. PER FOOT	MAKE	WHERE LANDED	NO. OF SKS. CEMENT	STOOD HOURS	PRESSURE TEST PSI
<u>8-5/8"</u>	<u>32#</u>	<u>LW 10V The</u>	<u>92'</u>	<u>100</u>	<u>24</u>	

## COMPLETION DATA

Total Depth 5700 ft. Cable Tools from --- to --- Rotary Tools from 0 to 5700-TD  
Casing Perforations (prod. depth) from --- to --- ft. No. of holes ---  
Acidized with --- gallons. Other physical or chemical treatment of well to induce flow ---  
Shooting Record ---

Prod. began DRY HOLE 19 --- Making --- bbls./day of --- A. P. I. Gravity Fluid on --- Pump ☐  
Tub. Pres. --- lbs./sq. in. Csg. Pres. --- lbs./sq. in. Gas Vol. --- Mcf. Gas Oil Ratio --- Choke. ☐  
Length Stroke --- in. Strokes per Min. --- Diam. Pump --- in.  
B. S. & W. --- % Gas Gravity --- BTU's/Mcf. --- Gals. Gasoline/Mcf. ---

## WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

Electrical Log Yes Date 5-25 19 55  
Microlog Yes Date 5-25 19 55

Straight Hole Survey Yes Type Sperry-Sun  
Other Types of Hole Survey None Type ---

Time Drilling Record ---  
Core Analysis --- Depth --- to ---  
--- to ---

(Note—Any additional data can be shown on reverse side.)

## FORMATION RECORD

Show all formations, especially all sands and character and contents thereof.

FORMATION	TOP	BOTTOM	REMARKS
PIERRE	0	4783	Shale, light to dark gray, very bentonitic, silty in part.
NIOBRARA	4783	5013	Shale, light to dark gray, containing minute calc. nodules, sl. bentonitic w/traces pyrite & aragonite.
FORT HAYS	5013	5071	Limestone, white to buff, chalky.
CODELL	5071	5075	Sandstone, gray, fine grained, vitreous, tight, calcareous, slightly micaceous.
CARLILE	5075	5286	Shale, gray to dark gray, fissile, silty in part, trace of pyrite & aragonite.

(Continue on reverse side)



## FORMATION RECORD

Formation	Top	Bottom	Remarks
GREENHORN	5286	5433	Top 7' limestone, gray & brown, soft, argillaceous; predominantly dark gray, calcareous, fissile shale, containing streaks of bentonite; some sandstone, very fine grained, very calcareous.
GRANEROS	5433	5536	Shale, dark gray to black, medium hard, few thin streaks of bentonite, fossiliferous
"D" SAND	5536	5575	Sandstone, light brown, very fine to fine-grained, slightly friable to tightly cemented, poor to fair porosity & permeability, many zones of reworked sandstone & shale, some thin shale laminae.
GRANEROS	5575	5643	Shale, dark gray to black, medium hard, bentonitic, fossiliferous.
"J" SAND	5643	5700-TD	Sandstone, gray, fine-grained, well cemented at top, friable in bottom of section, no porosity or permeability in top, good porosity and permeability in bottom, clay filled matrix in bottom of section; much reworked sand & shale in top 20'
GEOLOGICAL TOPS (SCHLUMBERGER)			CORING RECORD:
Niobrara	4783 (-211)		5532-5582, "D" Sand, rec. 50': 2' shale, black, carbonaceous, 6' sandstone and shale, reworked,
Codell	5071 (-499)		60% sandstone, 40% shale, with carbonaceous inclusions; 1/2' sandstone, fine grained, fair
Carlile	5075 (-503)		porosity and permeability, spotty stain, friable;
Greenhorn	5286 (-714)		2-1/2' interlaminated sandstone & shale; 12'
"D" Sand	5536 (-964)		sandstone, very fine grained, well cemented, spotty
"J" Sand	5643 (-1071)		stain, good odor, shale laminations; 10' sandstone,
DEVIATION RECORD:			light brown, very fine grained, well cemented,
Maximum -	3-1/2° @ 3000'		slightly friable, fair porosity & permeability,
Final -	1/2° @ 5150'		fair odor, stain, fluorescence; 3' interlaminated
SIZE HOLE DRILLED			sandstone & shale, 70% sandstone, 30% shale, no
13-3/4"	0 - 94'		show; 8' sandstone, light brown, fine grained,
7-7/8"	94' - 5700'		well cemented, poor porosity & permeability; 6-1/2'
COMPLETION RECORD:			shale, black, carbonaceous, fissile.
5-26-55	Ran electric log & microlog.		5646-5652, "J" Sand, rec. 6': 6' reworked sand-
	Dry Hole. Prepare plug & abandon.		stone & shale, 50/50.
Plugged & abandoned as follows:			5652-5700, "J" Sand, rec. 48': 7' sandstone, very
5-27-55	Spotted 25 sacks cement		fine grained, quartzitic, no porosity; 2' inter-
	5562-5500 & 20 sacks cement		laminated sandstone & shale, 60% sandstone, 40
	150-125.		% shale; 8' shale, black, carbonaceous, platy;
	Cut off surface pipe 3' below		31' sandstone, white to gray brown, very fine to
	ground level & dumped 5 sacks		fine grained, friable, fair to good porosity &
	cement in top of surface; welded		permeability; top 17' clay filled.
	steel plate on surface pipe.		
DRILL STEM TEST RECORD			
5-27-55	5549-61, "D" Sand, 5/8" bottom choke, open 1 hr.,		
	rec. 480' slightly oil cut water & 30' slightly		
	oil cut mud; FP 0-190. SIP-15"-1030#.		