

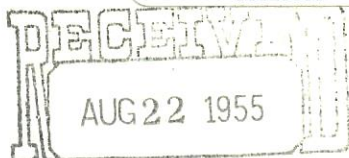
54-W

File in triplicate Fee and Patented lands and in
quadruplicate on State and School lands, with

OFFICE OF DIRECTOR

AND GAS CONSERVATION COMMISSION,
STATE OF COLORADOLocate
Well
Correctly

00823355

OIL & GAS
CONSERVATION COMMISSION

LOG OF OIL AND GAS WELL

Field Cliff Company Sinclair Oil & Gas Company
County Logan Address 601 Denver Club Bldg., Denver, Colorado
Lease L. Hiscock
Well No. 2 Sec. 32 Twp. 12N Rge. 54W Meridian 6th PM State or Pat. Pat.
Location 660 Ft. (N) of South Line and 660 Ft. (W) of East line of NE/4 Elevation 4546 GL
(Derrick 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*Date August 16, 1955

Title

Division Superintendent

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

Commenced drilling 12:00 Noon - April 30, 1955 Finished drilling May 9, 1955

OIL AND GAS SANDS OR ZONES

No. 1, from 5490 to 5530 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
8-5/8" OD	32#	10VRL ST&C	91'	115		
5-1/2" OD	15.5 #	J55 8RR2LT&C	5579'	250		
2-3/8" OD	4.7#	J55 8RR2	5523'			

COMPLETION DATA

Total Depth 5546-PBTD ft. Cable Tools from _____ to _____ Rotary Tools from 0 to 5580' TD
Casing Perforations (prod. depth) from 5494 to 5526 ft. No. of holes 112
Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow _____
Shooting Record _____

Prod. began May 15, 1955 Making 614 bbls./day of 39.2 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 May 10, 1955 Straight Hole Survey Yes Type Eastman
Microlog Yes Date May 10, 1955 Other Types of Hole Survey None Type _____
Gamma Ray Yes Date May 11, 1955
Time Drilling Record _____ (Note--Any additional data can be shown on reverse side.)

Core Analysis _____ Depth _____ to _____
_____ to _____

FORMATION RECORD

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

FORMATION	TOP	BOTTOM	REMARKS
<u>PIERRE</u>	<u>0</u>	<u>4670</u>	Shale, light to dark gray, bentonitic, silty in part.
<u>NIOBRARA</u>	<u>4670</u>	<u>4936</u>	Shale, light to dark gray, containing minute calc. nodules, slightly bentonitic w/traces pyrite & aragonite.
<u>FORT HAYS</u>	<u>4936</u>	<u>5032</u>	Limestone, white to buff, chalky.
<u>CODELL</u>	<u>5032</u>	<u>5040</u>	Sandstone, gray, fine grained, vitreous, tight, calc. slightly micaceous.

(Continue on reverse side)

CARLILE 5040 5248
GREENHORN 5248 5390
GRANEROS 5390 5490
"D" SAND 5490 5530
GRANEROS 5530 5580 TD

Shale, gray to dark gray fissile, silty in part, trace of pyrite and aragonite.
 Top 7' limestone, gray to brown, soft, argillaceous predominately dark gray, calcareous, fissile shale containing streaks of bentonite; some sandstone, very fine grained, very calcareous.
 Shale, dark gray to black medium hard, few thin streaks of bentonite, fossiliferous.
 Sandstone, gray white, fine grained, friable, fair to good porosity and permeability, some thin black shale beds; bottom 2' contains some lignite.
 Shale, dark gray to black, medium hard, bentonitic, fossiliferous.

GEOLOGICAL TOPS (SCHLUMBERGER)

Niobrara - 4670 (-124)
 Fort Hays - 4936 (-390)
 Carlile - 5040 (-494)
 Greenhorn - 5248 (-702)
 "D" Sand - 5490 (-944)

DEVIATION RECORD

Maximum - 3° @ 3950'
 Final - 0° @ 5300'

SIZE HOLE DRILLED

13-3/4" - 0 - 92'
 7-7/8" - 92 - 5793'

CORING RECORD 5503-5553, "D" Sand, recovered 50' - 4' sandstone and shale, interlaminated, 70% sandstone - 30% shale, sandstone is fine grained, friable, w/ fair to good porosity and permeability, contains bentonitic material saturated w/oil, 17' sandstone, clean, fine grained, friable, fair to good porosity and permeability, good odor, stain and fluorescence; bottom 2' vertically fractured, 1 1/2' black fissile shale, 13 1/2' sandstone, clean, fine to medium grained, w/thin black shale laminations, fair porosity and permeability, friable, good odor, stain & fluorescence; bottom 2' tight and contains lignite inclusions, 14' black slightly bentonitic shale.

DRILL STEM TEST RECORD

(None Made)

COMPLETION RECORD: 5546-PETD

5-14-55 Ran Gamma Ray survey. Jet perforated "D" Sand 5494-5518 and 5522-26 with 112 holes.
 5-15-55 COMPLETED. Flowed 359 bbls., corr. 39.2 gravity oil 14 hours through "D" Sand perforations, 5494-5518 and 5522-26 for calculated potential of 614 bbls. oil 24 hours.

CORING RECORD

IMBIBITION WATER SANDS

OIL AND GAS SANDS ON ZONES

12:00 noon - 1:00 pm

LOCATION OF WELL

Location 5546
 Well No. 5
 Date 5-15-55
 Coring 5546
 Notes 5546

5546 5546 5546 5546 5546 5546 5546 5546 5546 5546

LOC OF OIL AND GAS WELL

5546 5546 5546 5546 5546 5546 5546 5546 5546 5546