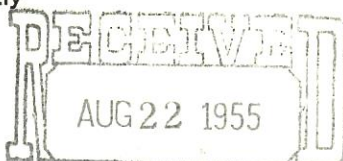


54-W

			X
	32		

Locate
Well
Correctly

12-N

OIL & GAS
CONSERVATION COMMISSIONFile in. Indicate on Fee and Patented lands and in
quadruplicate on State and School lands, with

OFFICE OF DIRECTOR

OIL AND GAS CONSERVATION COMMISSION,
STATE OF COLORADO

LOG OF OIL AND GAS WELL

Field Cliff Company SINCLAIR OIL & GAS COMPANY
County Logan Address 601 Denver Club Bldg, Denver, Colo.
Lease L. Hiscock
Well No. 1 Sec. 32 Twp. 12-N Rge. 54-W Meridian 6th P.M. State or Pat. Pat.
Location 660 Ft. (S) of North Line and 660 Ft. (W) of East line of NE/4 Elevation 4749-Grd.
(Derive from 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

Division Superintendent

Date August 16, 1955

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

Commenced drilling 12:45 P.M. April 19, 1955 Finished drilling April 29, 1955

OIL AND GAS SANDS OR ZONES

No. 1, from 5700 to 5749 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
9-5/8" OD	36 & 40#	J-55 8RT	253'	200	24	
5-1/2" OD	15.5# - 2919	J-55 8RT				
	14.0# - 2190	J-55 8RT				
	15.5# - 683	J-55 8RT	5792'	250	24	
2-3/8" OD	4.7#	J-55 8RT	5735'	(Tubing)		

COMPLETION DATA

Total Depth 5760-FBTD ft. Cable Tools from _____ to _____ Rotary Tools from 0 to 5793-TD
Casing Perforations (prod. depth) from 5701 (to 5740) ft. No. of holes 156
Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow None
Shooting Record _____

Prod. began May 6, 1955 Making 808 bbls./day of 38.9 A. P. I. Gravity Fluid on _____ Pump ☐
Tub. Pres. 50 lbs./sq. in. Csg. Pres. 90 lbs./sq. in. Gas Vol. _____ Mcf. Gas Oil Ratio 347:1 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 4-29-55 19 _____ Straight Hole Survey Yes Type _____
Time Drilling Record _____ (Note—Any additional data can be shown on reverse side.)
Core Analysis _____ Depth _____ 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>4867</u>	Shale, light to dark gray, very bentonitic, silty in part.
<u>NIOPRARA</u>	<u>4867</u>	<u>5140</u>	Shale, light to dark gray, containing minute calc. nodules, sl. bentonitic w/traces pyrite & aragonite.
<u>FORT HAYS</u>	<u>5140</u>	<u>5232</u>	Limestone, white to buff, chalky.
<u>CODELL</u>	<u>5232</u>	<u>5240</u>	Sandstone, gray, fine grained, vitreous, tight, calcareous, slightly micaceous.
<u>CARLILE</u>	<u>5240</u>	<u>5450</u>	Shale, gray to dark gray, fissile, silty in part, trace of pyrite & aragonite.

(Continue on reverse side)

<u>GREENHORN</u>	5450	5599
<u>GRANEROS</u>	5599	5700
<u>"D" SAND</u>	5700	5749

GRANEROS 5749 5793-TD

Top 7' limestone, gray & brown; soft, argillaceous; predominantly 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, white, fine grained, good porosity and permeability, friable, some calcareous inclusions carbonaceous inclusions, some very thin black shale laminations. Shale, dark gray to black, medium hard, bentonitic, fossiliferous.

GEOLOGICAL TOPS (SCHLUMBERGER)

Niobrara	-	4867	(-116)
Fort Hays	-	5140	(-389)
Codell	-	5232	(-481)
Carlile	-	5240	(-489)
Greenhorn	-	5450	(-699)
Graneros	-	5599	(-848)
"D" Sand	-	5700	(-949)

DEVIATION RECORD:

Maximum - 201-1/2° @ 3261'.
Final - 1/2° @ 5500'.

CORING RECORD:

5702-28, "D" Sand, rec. 23' - 12-1/2' sand, white, fine grained, friable, fair to good porosity and permeability, good stain, odor & fluorescence, vertically fractured, bleeding oil & gas, 1/2' shale, with thin sand laminations, black, reworked, 10' white sand, fine grained, friable, bleeding oil & gas, some thin shale laminations, bottom 2' vertically fractured, bottom 1' very friable. 5728-48, "D" Sand, rec. 20' white, fine grained sand, good porosity & permeability, good odor, stain & fluorescence, friable.

SIZE HOLE DRILLED

13-3/4" - 0 - 258
8-3/4" - 258 - 4700
7-7/8" - 4700 - 5793-TD

DRILL STEM TEST RECORD:

(None made)

COMPLETION RECORD: 5760-FBTD

5-3-55 Jet perforated "D" sand 5701-40 w/156 holes.
5-4-55 Stabbed 40 bbls. load oil 3 hours and started flowing. Flowed 110 bbls. load oil 4 hours. - Flowed 355 bbls. net oil 10 hours.
5-5-55 Flowed 276 bbls. oil 12 hours thru 1/2" surface choke on tubing.
5-6-55 COMPLETED. Flowed 808 bbls. 38.9 cerra. gravity oil wide open 24 hours thru "D" sand perfs. 5701-40, tubing press. 50#, casing press. 90#, GOR 347:1.