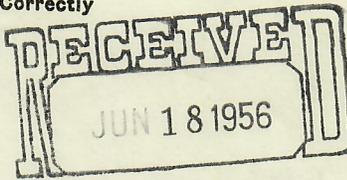




Locate Well Correctly

Apply Fee and Patented lands and in State and School lands, with

OFFICE OF DIRECTOR OIL AND GAS CONSERVATION COMMISSION, STATE OF COLORADO



OIL & GAS CONSERVATION COMMISSION

LOG OF OIL AND GAS WELL

12N

		28	

54-W

Field Cliff Company Sinclair Oil & Gas Company
 County Logan Address P. O. Box 9, Fort Morgan, Colorado
 Lease H. S. Ayres
 Well No. 5 Sec. 28 Twp. 12N Rge. 54W Meridian 6th PM State or Pat. Pat.

Location 660 Ft. (N) of South Line and 1980 Ft. (E) of West line of SW/4 Elevation 4747 G.L.
 (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.

Date JUN 12 1956 Signed [Signature] Title District Superintendent

The summary on this page is for the condition of the well as above date.
 Commenced drilling 4:00 PM 3-22- 1956. Finished drilling March 29, 1956.

OIL AND GAS SANDS OR ZONES

No. 1, from 5686 to 5735
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____
 No. 5, from _____ to _____
 No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

SIZE	WT. PER FOOT	MAKE	WHERE LANDED	NO. OF SKS. CEMENT	STOOD HOURS	PRESSURE TEST PSI
10-3/4" OD	28.52	Armco SWSJ	123'	100	24	
7" OD	23	J55 SS R2				
7" OD	20	J55 SS R2	5749'	150	72	
2-3/8" OD UE	4.7	J55 SS R2	5685'			

(CASING & TUBING TALLIED THREADS OFF)

AJJ	
DVR	
FJK	
WRS	
HHM	
AH	
JJD	
FILE	

COMPLETION DATA

Total Depth 5750 ft. Cable Tools from _____ to _____, Rotary Tools from 0 to 5750
 Casing Perforations (prod. depth) from 5710 to 5712 ft. No. of holes 8
 Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow 20 Gal. Fre-Flo Treatment; & Shooting Record (1600 Gal. Sand Oil treatment w/ 100# Adomite.

Prod. began Shut In 19____. Making _____ bbls./day of _____ A. P. I. Gravity Fluid on _____ Pump
 Tub. Pres. 110 lbs./sq. in. Csg. Pres. 300 lbs./sq. in. Gas Vol. 750 Mcf. Gas Oil Ratio No Oil 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 3-29-56 19____ Straight Hole Survey Yes Type Sperry-Sun
 Micro-Log Yes Date 3-29-56 19____ Other Types of Hole Survey Yes Type Caliper
 Gamma-Ray Yes Date 4-4-56 19____
 Time Drilling Record _____
 Core Analysis _____ Depth 5688 to 5709
 to _____

FORMATION RECORD

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

FORMATION	TOP	BOTTOM	REMARKS
PIERRE	0	4844	Shale, light to dark gray, soft, pyritic, bentonitic, and w/ shell fragments.
NIOBRARA	4844	5170	Shale, light gray to slightly brownish gray, very calcareous, aragonite, pyrite, and shell fragments throughout.
FT. HAYS	5170	5207	Limestone to silty limestone, white, chalky.
CODELL	5207	5217	Siltstone, gray, calcareous, dirty.

(Continue on reverse side)

Shut In Gas

14

CARLILE:	5217	5126	Shale, gray to black, white bentonite, pyrite.
GREENHORN	5126	5546	Limestone, brown, crystalline to dense, fair porosity in part, and shale, gray and black.
GRANEROS	5546	5686	Shale, gray to dark gray, fissile with vara-colored bentonite.
"D" SAND	5686	5735	Sandstone, very fine grained, gray, sub-angular, and shale, gray to black interbedded and reworked in part, good stain, odor and fluorescense w here developed.
GRANEROS	5735	5750	Shale, gray to dark gray, fissile with vara-colored bentonite.

CORE DESCRIPTION: #1. 5687-5722: 5' reworked sandstone & shale, 60% sandstone, very fine grained, dirty, slight p&p, some odor, stain & fluorescense, 8 1/2' reworked sandstone & shale, 50% sandstone, very fine grained, 2 1/2' sandstone, gray, fine grained, fair p&p, 10% shale, laminated, good odor, stain & fluorescense, 5' sandstone, gray, fine grained, good odor, stain & fluorescense, good p&p, some thin shale laminations, 1' sandstone with shale nodules, 80% shale, no show, 3' black shale, some thin sandstone streaks, 8' black shale.

SCHLUMBERGER TOPS:	Niobrara	4844	-97	Greenhorn	5126	-679
	Codell	5207	-460	Bentonite	5582	-835
	Carlile	5217	-470	"D" Sand	5686	-939

DRILL STEM TEST: 5700-5750: 1/2" bottom choke, open 1 hour, very strong blow, gas to surface in 15 minutes, recovered 100' fluid, oil and gas cut muddy water, 700 MCF gas per day. FP 50 to 215# SIP 20 Min. 800#.

COMPLETION:
 4-3-56. 50 Casing swabbed hole dry, ran Gamma Ray log and perforated "D" sand through 7" OD Casing w/ 8 Super Jet s hots 5710-5712'. Swabbed hole dry, ran 2-3/8" OD UE-tubing and set Packer @ 5687' and treated through perforations with 20 gallons Fre-Flow mixed with 50 barrels crude oil. Swabbed hole dry. Treated with 1600 Gals. Sand Oil, 1500# Sand and 100# Adomite. Pulled tubing and removed Packer and Casing swabbed.
 4-15-56. COMPLETED - Well producing 750 MCF Gas in 24 hours through 1" choke, Tubing Press. 110#, Casing Press. 300#. SHUT IN GAS WELL.
 4-16-56.

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10

700 T 5 1822

CONSERVATION COMMISSION

7 8 1822

DECLARED

700 T 5 1822

CONSERVATION COMMISSION

7 8 1822

DECLARED

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DECLARED