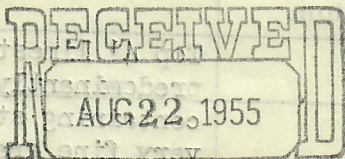


54-41

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

F DIRECTOR

GAS CONSERVATION COMMISSION,  
OF COLORADO

## LOG OF OIL AND GAS WELL

OIL & GAS  
CONSERVATION COMMISSION

Field Cliff County Logan Lease H. S. Ayres Company SINCLAIR OIL & GAS COMPANY Address 601 Denver Club Bldg., Denver, Colorado

Well No. 2 Sec. 28 Twp. 12-N Rge. 54-W Meridian 6th P.M. State or Pat. Pat

Location 660 Ft. (S) of North Line and 660 Ft. (E) of West line of SW/4 Elevation 4741 G.L.  
(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  
Division SuperintendentDate August 18, 1955

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

Commenced drilling 4:30 P.M. May 23, 1955 Finished drilling June 2, 1955

## OIL AND GAS SANDS OR ZONES

No. 1, from 5691 to 5714 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#	J-55 8RT	92'	100	24	
5-1/2" OD	15.5#	J-55 8RT	5800'	200	48	
2-3/8" OD	4.7#	J-55 8RT	5745' (tabing)			

## COMPLETION DATA

Total Depth 5763-PBTD ft. Cable Tools from \_\_\_\_\_ to \_\_\_\_\_ Rotary Tools from 0 to 5880-TD

Casing Perforations (prod. depth) from 5699 to 5712 ft. No. of holes 96

Acidized with \_\_\_\_\_ gallons. Other physical or chemical treatment of well to induce flow None

Shooting Record \_\_\_\_\_

Prod. began June 10, 1955 Making 65 12 hrs. 38.6 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 June 3, 1955 Straight Hole Survey Yes Type Totce

Gamma Ray Yes Date June 7, 1955 Other Types of Hole Survey None 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
PIERRE	0	4876	Shale, light to dark gray, very bentonitic, silty in part.
NIOBRARA	4876	5158	Shale, light to dark gray, containing minute calc. nodules, sl. bentonitic w/traces pyrite & aragonite
FORT HAYS CODELL	5158 5212	5212 5218	Limestone, white to buff, chalky.
CARLILE	5218	5270	Sandstone, gray, fine grained, vitreous, tight, calcareous, slightly micaceous.
			Shale, gray to dark gray, fissile, silty in part, trace of pyrite & aragonite.

(Continue on reverse side)

Producer



## FORMATION RECORD

Formation	Top	Bottom	Remarks
GREENHORN	5270	5584	Top 4' limestone, gray & brown, soft, argillaceous, predominantly dark gray, calcareous, fissile shale containing streaks of bentonite; some sandstone, very fine grained, very calcareous.
GRANEROS	5584	5691	Shale, dark gray to black, medium hard, few thin streaks of bentonite, fossiliferous.
"D" SAND	5691	5714	Sandstone, gray, fine grained, some clay filled, some reworked sandstone & shale, many shale & lignitic inclusions, fair porosity & permeability.
GRANEROS	5714	5791	Shale, dark gray to black, medium hard, bentonitic, fossiliferous.
"J" SAND	5791	5880-TD	Sandstone, gray, fine to medium grained, mostly clay filled, numerous thin shale laminations, throughout; some thin lignitic coal seams, poor to fair porosity & permeability.
GEOLOGICAL TOPS (SCHLUMBERGER)			CORING RECORD:
Niobrara	4876	(-135)	5690-5740, D Sand, rec. 243-1/2', lost 6-1/2':
Fort Hays	5158	(-417)	2-1/2' shale, black, carbonaceous; 2' sandstone,
Codeell	5212	(-471)	reworked, dirty, fine to medium grained, friable,
Carlile	5218	(-477)	partly clay filled, no shows; 5-1/2' shale, black,
Greenhorn	5270	(-529)	containing thin sandstone laminations; 11-1/2'
"D" Sand	5691	(-950)	sandstone, gray, fine grained, partly clay filled,
"J" Sand	5793	(-1052)	shale & lignitic inclusions throughout, fair porosity & permeability, fair odor, stain, fluorescence; 6' shale, black w/sandstone laminations;
DEVIATION RECORD:			1-1/2' sandstone, fine grained, tight, wet w/ carbonaceous inclusions; 14-1/2' shale, black, carbonaceous.
Maximum -	3/4° @ 5000'		5786-5840, J Sand, rec. 54': 11' shale, black;
Final -	3/4° @ 5000'		3' reworked sandstone & shale; 2-1/2' sandstone,
SIZE HOLE DRILLED			fine grained, clay filled, no shows; 16' sandstone,
8-3/4"	0 - 110'		gray white, very fine to fine grained, clay filled,
13-3/4"	0 - 105'		contains much reworked material, thin shale laminations, no shows; 17' shale, black w/thin sandstone
8-3/4"	92 - 5400'		& bentonitic streaks, trace of pyrite; 3' coal,
7-7/8"	5400 - 5880' - TD		trace pyrite; 1' sandstone, dark gray, fine grained, very argillaceous, calcareous.
COMPLETION RECORD: 5763-FTD			5840-5880, J Sand, rec. 38-1/2', lost 1-1/2': 1/2'
6-7-55	Jet perforated D Sand 5700-12 w/48 holes. Swabbed 140 bbls. load oil 9 hrs. & 3 bbls. net oil 4 hrs., fluid level 5650.		shale, gray; 9' sandstone, fine to medium grained, clay filled w/thin shale laminations, no shows;
6-8-55	Ran gamma ray survey. Re-jet perforated D Sand 5699-5711 w/48 holes. W/packer @ 5691, swabbed & flowed 38 bbls. oil 9 hrs. thru D Sand perfs 5699-5712.		2-1/2' coal; 5-1/2' sandstone, gray, fine to medium grained, clean, fair to good porosity & permeability, wet; 11-1/2' sandstone, gray, fine grained, clay filled, poor porosity & permeability,
6-9-55	Killed well w/oil & pulled packer. Recovered load oil & swabbed & flowed 15 bbls. net oil 3 hrs. thru D Sand perfs 5699-5712.		14-1/2' shale, gray, silty, sandy, some reworked.
6-10-55	COMPLETED. Swabbed & flowed 65 bbls oil 12 hrs. thru D Sand perfs 5699-5712 w/2" tubing wide open; casing press. 240#		DRILL STEM TEST RECORD:
			5704-11, D Sand, w/straddle packer, 1/2" bottom shoe; open 1 hr.; gas to surface in 28 mins., not measurable, req. 365' 37.6 corr. gravity oil & 70' oil & gas cut muddy water. FP 0-100. SIP-15"-1250#