

52-W

OFFICE OF STATE OIL INSPECTOR
Oil and Gas Conservation
Department

Locate
Well
Correctly

LOG OF OIL AND GAS WELL



00238357

Company SINCLAIR OIL & GAS COMPANY Address P O Box 1809, Casper, Wyoming
State or Patented Patented Field West Padroni State Colorado
Well No. 2 Sec. 6 T. 9-N R. 52-W Meridian 6th P.M. County LOGAN

Location 990 Ft. (S) of North Line and 990 Ft. (W) of West line of NE 1/4 Elevation 4046
(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 April 8, 1952Signed [Signature]
Title Asst. Division Supt.

The summary on this page is for the condition of the well as above date.
Commenced drilling 2-22-52, 19 Finished Drilling March 11, 1952

OIL SANDS OR ZONES

No. 1, from 4762 to 4794 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	Weight per ft.	Threads per inch	Make	Amount	Kind of Shoe	Cut & Pulled from	Perforated From to	Purpose
10-3/4"	32.75#	8-VT	SS	274				
7"	26#	8RT	SS J55	1237				
	20#	8RT	SS J55	3607				

CASING TALLIED THREADS OFF

MUDDING AND CEMENTING RECORD

Size	Where Set	No. Sacks of Cement	Methods used	Mud Gravity	Amount of Mud Used
10-3/4"	276	175	Halliburton		
7"	4844	250	"		

PLUGS AND ADAPTERS

Heaving plug-Material NONE Length Depth Set
Adapters-Material Size

SHOOTING RECORD

Size	Shell Used	Explosive Used	Quantity	Date	Depth Shot	Depth Cleaned Out
		NONE				

TOOLS USED

Rotary Tools used from 0 ft. to 4845-TD ft. and from ft. to ft.
Cable tools were used from ft. to ft. and from ft. to ft.

DATES

19 Put to producing March 22, 1952
The production for the first 24 hours was 138 barrels of fluid of which
100 % was oil, % emulsion; % sediment. Gravity 38.5 API Corr.
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft.
of gas . Rock Pressure, lbs. per sq. in.

EMPLOYES

H. L. Parr Driller G. E. West, Driller
E. W. Palser Driller FITZPATRICK DRILLING COMPANY, Driller

FORMATION RECORD

From	To	Total Feet	Formation
<u>PIERRE</u>	<u>0</u>	<u>3890</u>	<u>Dense, black, bentonitic shale.</u>
<u>NIOBRARA</u>	<u>3890</u>	<u>4210</u>	<u>Top: Black to brownish shale with buff colored calcareous specks. Middle: Gray shale with buff colored calcareous specks. Base: White chalky calcareous shale.</u>

CARLILE

Dense, black, soft shale with traces of bentonite and pyrite. 4210 4393

GREENHORN

Top: Gray-white, granular lime. Middle: Brown crystalline lime. Base: Gray-white, granular lime. 4393 4400

GRANEROS

Dense, black shale. 4400 4635

FIRST SAND

3.4 medium fine-grained sand, spotted staining, 14.4 interbedded sand, shale and siltstone, 11.1 fine-grained medium porous, micaceous and pyritic, gray sand, 1.7 interbedded sand and shale, 12.9 fine-grained, porous, gray sand 4.1 interbedded sand, shale and silt. 4635 4682

GRANEROS

Dense, black shale. 4683 4757

Muddy

8.4 interbedded sand, shale, silt, 6.6 fine-grained micaceous porous, light stained sand, 9.5 medium to large grained sub-angular, sand, good staining, good porosity, silt patches, 5.2 interbedded silt, sand, shale, 2.0 gray silt, 8.0 fine-grained, medium tight, well stained sand, 1.8 interbedded sand, shale, silt, 3.8 black shale, 3.5 sand and shale, 2.9 fine-grained, medium porous, light stained sand, 34.8 interbedded shale, sand and silt. 4757 4841
4' interbedded shale and silt. 4841 4845

PBTD - - - - - 4808

GEOLOGICAL TOPS (Schlumberger) - (Gamma Ray)

Niobrara	-	3890	(-156)	
Carlile	-	4260	(-214)	
Greenhorn	-	4393	(-347)	
First Sand	-	4635	(-589)	4631
Graneros	-	4682	(-636)	
Muddy	-	4757	(-711)	4754

SIZE HOLE DRILLED:

13-3/4" hole 0 - 277
9" hole 277 - 4845

DRILL STEM TESTS:

Attempted DST twice w/depth 4770-tool plugged, DST #1 - 4760-4770, MUDDY, 1" choke, open 1 hour, gas to surface in 9 min. (23,500 CF), rec. 2310' oil (38.5°), 175' m/c oil (est. 1/3 mud), 140' thin muddy water. BHFP - 30-575. BHSIP - 1250 (30 min. max. in 2 min.)

DST #2 - 4773-4789, MUDDY, 5/8" choke, open 1 hour, gas in 11 min. (18,600 CF/day), rec. 1090' oil, 1065' water. BHFP - 64-820. BHSIP - 1278 (15 min. & max.)

DST #3 - 4787-4793, MUDDY, 5/8" choke, open 1 hour, gas in 19 min. (15,300 CF/day), rec. 710' oil (39.4°), 985' water. BHFP - 17-645. BHSIP - 1290 (15 min. & max. in 2 min.)

CORING RECORD:

Core #1 - 4619-4669, FIRST SAND, rec. 50', 12.5' black shale, 3.4' medium fine-grained, sub-angular, spotted staining, interbedded with thin shale beds, 3.4' shale with interbedded sand and silt, .5' black shale, 4.9' interbedded sand, silt and shale, 5.6' shale, 1.9' fine-grained, angular, porous, tan sand, no show, 9.2' fine-grained medium porous, micaceous and pyritic, gray sand with minor shale breaks, 0.9' sand and shale interbedded, 0.8 black shale, 6.9' fine-grained, porous, gray sand.

Core #2 - 4740-4770, MUDDY, rec. 30', 15' black shale, 8.4' interbedded sand and shale, silt, 6.6' fine-grained, micaceous, porous, light stained sand.

Core #3 - 4770-4789, MUDDY, rec. 17.5', 9.5' medium to large grained, sub-angular sand, good staining, very good porosity, silt patches, 5.2' interbedded silt, sand and shale, 2.0' gray silt, 0.8' fine-grained, medium tight, well stained sand.

Core #4 - 4789-4793, MUDDY, rec. 4', fine-grained, medium tight, well stained sand with minor shale breaks.

Core #5 - 4791-4841, MUDDY, rec. 50', 3.2' medium tight, micaceous, fine-grained, well stained sand, 1.8' interbedded sand, shale, silt, 3.8' black shale, 3.5' broken sand and shale, 2.9' fine-grained medium porous, light stained sand, 34.8' interbedded shale, sand silt.

