

52-W

OFFICE OF STATE OIL INSPECTOR  
Oil and Gas Conservation  
Department

Locate  
Well  
Correctly

LOG OF OIL AND GAS WELL


9-N



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/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, 1952 Signed [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, 1952 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				

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

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.

