

52W

Locate
Well
Correctly

00250491

File in duplicate 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 West Padroni Company SINCLAIR OIL & GAS COMPANY
County Logan Address P. O. Box 1809, Casper, Wyoming
Lease Arthur Sindt
Well No. 3 Sec. 6 Twp. 9N Rge. 52W Meridian 6th P.M. State or Pat. Patented
Location 330 Ft. (S) of North Line and 330 Ft. (E) of West line of SW 1/4 SE 1/4 Elevation 4036
(Surface 4036 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. BrennanTitle Asst. Division Supt.Date June 16, 1952

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

Commenced drilling April 28, 19 52 Finished drilling May 17, 19 52

OIL AND GAS SANDS OR ZONES

No. 1, from Dakota 5000 to 5021

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
<u>10-3/4"</u>	<u>32.75</u>	<u>SS</u>	<u>269'</u>	<u>175</u>	<u>48</u>	<u>500#</u>
<u>5-1/2"</u>	<u>15.5</u>	<u>J-55 SS</u>	<u>5069'</u>	<u>300</u>	<u>72</u>	

COMPLETION DATA

Total Depth 5041-PBTD (PB from 5070) ft. Cable Tools from _____ to _____ Rotary Tools from 0 to 5070Casing Perforations (prod. depth) from See Reverse Side ft. No. of holes _____Acidized with None gallons. Other physical or chemical treatment of well to induce flow _____Shooting Record NoneProd. began June 8, 19 52 Making 86 bbls./day of 16.50 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 May 18, 19 52 Straight Hole Survey Yes Type Sperry-SunLane-Wells " Date May 23, 19 52 Other Types of Hole Survey _____ Type _____

Time Drilling Record _____ (Note—Any additional data can be shown on reverse side.)

Core Analysis See Reverse Side to _____ 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>3776</u>	<u>Dense, black, bentonitic shale.</u>
<u>NIOBRARA</u>	<u>3776</u>	<u>4156</u>	<u>Top: Black to brownish shale w/buff colored calcareous specks. Middle: Grey shale w/buff colored calcareous specks. Base: White, chalky calcareous shale.</u>
<u>CARLILE</u>	<u>4156</u>	<u>4379</u>	<u>Dense, black, soft shale with traces of bentonite and pyrite.</u>

(Continue on reverse side)

GREENHORN

Top: Gray-white, granular lime. Middle: Brown, crystalline lime. Base: Gray-white, granular lime. 4379 4383

GRANEROS

Dense, black shale. 4383 4616

FIRST SAND

19' black shale, 3' sand, shale laminations, spotted stain, 13' interbedded shale and fossiliferous sand, 15' med. fine-grained, porous, grey sand, shale streaks, light to spotted stain top 3'. 4616 4732

MUDDY

5.1' interbedded shale and silt, 4.9' med-grained, porous sand, light stain, 12' medium grained, porous sand, no stain, 3.2' fine-grained, porous, grey sand, 4' black shale, 1.9' interbedded silt and shale, 1.7' very fine-grained, medium tight sand, 1.2' interbedded shale and sand, 3' grey silt, 10' interbedded sand and shale, 2.1' black shale, 5.1' med-grained, grey sand, 32.8' interbedded sand, silt and shale. 4732 4832

SKULL CREEK

Dense, black shale. 4832 5000

DAKOTA

19.7' very fine-grained, porous sand w/dark brown-black staining, bleeding black oil, 0.9' interbedded grey sand and shale, 3.4' very fine-grained porous sand, black staining, bleeding black oil, 25' very fine-grained, porous sand, w/dark brown-black staining, 2' black shale, 18' interbedded shale and silt, 4.3' silt w/shale laminations, 0.7' black shale. 5000 5070-TD

GEOLOGICAL TOPS - (Schlumberger) -(Gamma Ray)

Niobrara	-	3776	(-260)
Greenhorn	-	4379	(-343)
First Sand	-	4616	(-580) - 4615
Muddy	-	4732	(-696) - 4732
Dakota	-	5000	(-964) - 4999

SIZE HOLE DRILLED:

9" hole 0 - 301 (Reamed 13-3/4" to 270'.)
9" hole 301 - 5070-TD.

DRILL STEM TESTS:

DST #1 - 4737-4755, MUDDY, 1/2" choke, open 1 hr., rec. 3075' fresh water. FP-450-1320#. SIP-20"-1320#.
W/depth 5020, attempted DST - lacked 12' getting to bottom.
DST #2 - 4997-5020, DAKOTA, 1/2" choke, open 2 hrs., rec. 1405' of 17° API corr. gravity oil, 325' water. FP-275-750#. SIP-20"-1375#.
DST #3 - 5020-5070, DAKOTA, 1/2" choke, open 1 hr., rec. 2850' fresh water. FP-375-1250#. SIP-20"-1350#.

CORING RECORD:

Core #1 - 4595-4645, FIRST SAND, rec. 19' black shale, 3' sand, spotted stain, 13' interbedded shale and fossiliferous sand, 15' med. fine-grained, porous, grey sand, shale streaks, light to spotted stain top 3'.
Core #2 - 4725-4755, MUDDY, rec. 4.4' black shale, 8.7' interbedded shale and silt, 4.9' medium-grained, porous sand, no stain.

CORING RECORD (Cont'd):

Core #3 - 4755-4770, MUDDY, rec. 3.2' fine-grained, porous, grey sand, 4' black shale, 1.9' interbedded silt and shale, 1.7' very fine-grained, med. tight sand, 1.2' interbedded shale and sand, 3' grey silt.
Core #4 - 4770-4781, MUDDY, rec. 10' interbedded sand and shale, 1' black shale.
Core #5 - 4781-4820, MUDDY, rec. 1.1' black shale, 5.1' med-grained, grey sand, 32.8' interbedded sand, silt and shale.
Core #6 - 4935-4985, rec. 13' black shale, 11' interbedded silt, shale and siderite, 26' black shale.
Core #7 - 4985-4995, rec. 8' black shale, rotten, 2' silt.
Core #8 - 4995-5020, DAKOTA, rec. 1' interbedded silt and shale, 19.7' very fine-grained, porous sand w/dark brown-black staining, bleeding core, 0.9' interbedded grey sand and shale, 3.4' very fine-grained, porous sand, black staining, bleeding core.
Core #9 - 5020-5070, DAKOTA, rec. 25' very fine-grained, porous sand, w/dark brown-black staining, 2' black shale, 18' interbedded shale and silt, 4.3' silt w/shale laminations, 0.7' black shale.

COMPLETION RECORD:

With plugged back TD - 5041'
5-24-52 Jet perforated 5020-5021 w/4 shots, after running Lane-Wells Gamma Ray Survey. Squeezed 61 sacks cement thru retainer @ 5000' w/3400# max. press.
5-25-52 Drilling cement retainer.
5-26-52 Drilled retainer & cement 5000 to 5041. Jet perforated 5-1/2" casing 5000-5015 w/28 shots.
5-27-52 Swabbing water w/show of oil.
5-28-52 Fluid swabbed down. Set Baker production tool @ 4990'. Could not break formation w/4000#.
5-29-52 Reset Baker production tool @ 4960'. Could not break formation after pressuring to 3500#-TP. Ran in w/28 shots to re-shoot, stopped 16' off bottom. Preparing to drill up shot run on 5-26-52 which apparently failed to fire & left in hole.
5-30-52 Drilling up shots @ 5032'.
5-31-52 Drilled shots to 5032'. Jet perforated 5-1/2" casing 5000-5015 w/28 shots.
6-1-52 Swabbing and testing. Swabbed 13 bbls. oil & 77 bbls. water in 11 hours.
6-2-52 Preparing to squeeze off water. Swabbed 20 bbls. oil & 224 bbls. water in 24 hours thru perforations 5000-5015.
6-3-52 Squeezed perforations @ 5000-5015 as follows: Squeezed 100 sacks thru retainer @ 4985', max. press. 2500#. Re-squeezed, displacing 28 sacks below retainer @ 4985', max. press. 3500#.
6-4-52 Drilling retainer & cement @ 4988'.
6-5-52 Drilled cement plug to 5027'.
6-6-52 Pulling tubing to perforate casing.
6-7-52 Jet perforated 5000-5008 w/32 shots. Swabbing & testing. Swabbed 43 bbls. oil & 224 bbls. water in 12 hours.
6-8-52 COMPLETED - Swabbed 86 bbls. 16.5° API corr. gravity oil & 424 bbls. water in 24 hours. Prepare install pumping equipment.