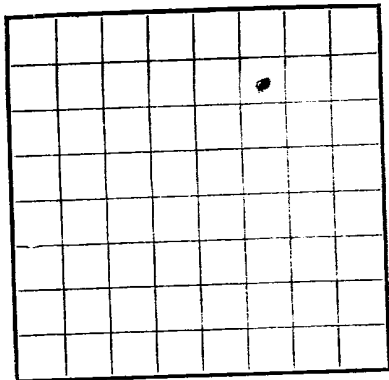




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Address P.O. Box 939, Aztec, New Mexico
Lessor or Tract Indian B Field Wildcat State New Mexico
Well No. 91 Sec. 21 T. 28N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of N. Line and 1650 ft. E. of E. Line of Sec. 21-28N-3W Elevation 7071
(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.

Signed Earl Stum Title District Superintendent

Date May 7, 1953

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

Commenced drilling November 15, 1952 Finished drilling January 30, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3640 to 3866G No. 4, from 4102 to 5728G
No. 2, from 3866 to 4024G No. 5, from 5728 to 5778G
No. 3, from 4024 to 4102G No. 6, from 5778 to 6047G
6047 6264G

IMPORTANT WATER SANDS

No. 1, from 3512 to 3640 No. 3, from _____ to _____
No. 2, from 3640 to 3866 No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4"	21.63	S.J.	Armaco	240'	Baker				
7"	20	8-B	Armaco	1-55	Baker				
7"	20	8-B	Armaco	1-55	Baker				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	251	250 sx reg. cnt.	Halliburton		
7"	5730	300 sx. reg. cnt.	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		DuPont				
		S.O.W.E. #1	1296 lbs.	3-4-53	5815-6185	6205

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 3, 1953 Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 1930 MCF Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 219 1572

EMPLOYEES

C.D. Phelps — Foreman _____ Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3512	3512	Sand and shale
3512	3640	128	Shale
3640	3866	226	Sand, shale and coal
3866	4024	158	Sandstone
4024	4102	78	Sandstone and shale
4102	5728	1626	Sand and shale
5728	5778	50	Sandstone and shale
5778	6047	269	Sand, shale and coal
6047	6264	217	Sandstone and shale

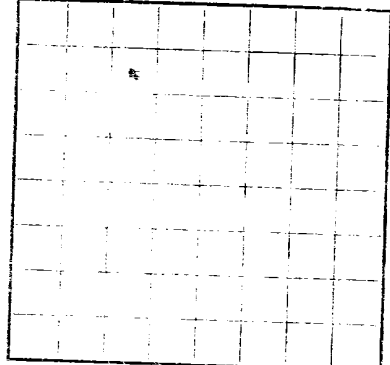
2071 - 100% rock
2118 - 100% rock
2158 - 100% rock
2105 - 100% rock
2087 - 100% rock
2099 - 100% rock
2070 - 100% rock
2075 - 100% rock

FORMATION LOG

U.S. LAND OFFICE
District No. 101
Serial Number
Please or Permit to Prospect

1 - Section
1 - Township
1 - Range
1 - Meridian
1 - State

Form 9-380
Copyright 1938



LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Company: Phillips Petroleum
Lessor or Tract: Sec. 31, T. 28N. R. 3E. Meridian 10N. Co. 10E. State of Oklahoma
Well No.: 1000
Location: 1/4 Sec. 31, T. 28N. R. 3E. Meridian 10N. Co. 10E. State of Oklahoma
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: _____
Title: District Superintendent

Date: May 7, 1933
The summary on this page is for the condition of the well at above date.
Commenced drilling: November 15, 1932
Finished drilling: January 30, 1933

OIL OR GAS SANDS OR ZONES

No.	From	To	Depth
No. 1	from 3860	to 3865	4' 10"
No. 2	from 3865	to 4025	160'
No. 3	from 4025	to 4125	100'

IMPORTANT WATER SANDS

No.	From	To	Depth
No. 1	from 3865	to 3870	5'
No. 2	from 3870	to 3875	5'

CASING RECORD

Casing	Size	Weight	Threading	Make	Amount	Kind of shoe	Cut and pulled from	Performed	Purpose
10 1/2" I.D.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.

HISTORY OF OIL OR GAS WELL

Mudding and Cementing Record	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 1/2" I.D.	100	100	100	100

PLUGS AND ADAPTERS

Plug	Size	Length	Depth set
10 1/2" I.D.	40 lb.	40 lb.	40 lb.

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
10 1/2" I.D.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.	40 lb.

TOOLS USED

Rotary tools were used from	feet to
feet to	feet to

DATES

Put to producing	1933
Production for the first 24 hours was	1933
emulsion; water; and	1933
If gas well, cu. ft. per 24 hours	1933
Rock pressure, lbs. per sq. in.	1933

EMPLOYEES

Driller	Driller
---------	---------

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
3860	3865	5	sand and shale
3865	4025	160	shale
4025	4125	100	sand and shale
4125	4130	5	sand and shale
4130	4135	5	sand and shale
4135	4140	5	sand and shale
4140	4145	5	sand and shale
4145	4150	5	sand and shale
4150	4155	5	sand and shale
4155	4160	5	sand and shale
4160	4165	5	sand and shale
4165	4170	5	sand and shale
4170	4175	5	sand and shale
4175	4180	5	sand and shale
4180	4185	5	sand and shale
4185	4190	5	sand and shale
4190	4195	5	sand and shale
4195	4200	5	sand and shale
4200	4205	5	sand and shale
4205	4210	5	sand and shale
4210	4215	5	sand and shale
4215	4220	5	sand and shale
4220	4225	5	sand and shale
4225	4230	5	sand and shale
4230	4235	5	sand and shale
4235	4240	5	sand and shale
4240	4245	5	sand and shale
4245	4250	5	sand and shale
4250	4255	5	sand and shale
4255	4260	5	sand and shale
4260	4265	5	sand and shale
4265	4270	5	sand and shale
4270	4275	5	sand and shale
4275	4280	5	sand and shale
4280	4285	5	sand and shale
4285	4290	5	sand and shale
4290	4295	5	sand and shale
4295	4300	5	sand and shale
4300	4305	5	sand and shale
4305	4310	5	sand and shale
4310	4315	5	sand and shale
4315	4320	5	sand and shale
4320	4325	5	sand and shale
4325	4330	5	sand and shale
4330	4335	5	sand and shale
4335	4340	5	sand and shale
4340	4345	5	sand and shale
4345	4350	5	sand and shale
4350	4355	5	sand and shale
4355	4360	5	sand and shale
4360	4365	5	sand and shale
4365	4370	5	sand and shale
4370	4375	5	sand and shale
4375	4380	5	sand and shale
4380	4385	5	sand and shale
4385	4390	5	sand and shale
4390	4395	5	sand and shale
4395	4400	5	sand and shale
4400	4405	5	sand and shale
4405	4410	5	sand and shale
4410	4415	5	sand and shale
4415	4420	5	sand and shale
4420	4425	5	sand and shale
4425	4430	5	sand and shale
4430	4435	5	sand and shale
4435	4440	5	sand and shale
4440	4445	5	sand and shale
4445	4450	5	sand and shale
4450	4455	5	sand and shale
4455	4460	5	sand and shale
4460	4465	5	sand and shale
4465	4470	5	sand and shale
4470	4475	5	sand and shale
4475	4480	5	sand and shale
4480	4485	5	sand and shale
4485	4490	5	sand and shale
4490	4495	5	sand and shale
4495	4500	5	sand and shale
4500	4505	5	sand and shale
4505	4510	5	sand and shale
4510	4515	5	sand and shale
4515	4520	5	sand and shale
4520	4525	5	sand and shale
4525	4530	5	sand and shale
4530	4535	5	sand and shale
4535	4540	5	sand and shale
4540	4545	5	sand and shale
4545	4550	5	sand and shale
4550	4555	5	sand and shale
4555	4560	5	sand and shale
4560	4565	5	sand and shale
4565	4570	5	sand and shale
4570	4575	5	sand and shale
4575	4580	5	sand and shale
4580	4585	5	sand and shale
4585	4590	5	sand and shale
4590	4595	5	sand and shale
4595	4600	5	sand and shale
4600	4605	5	sand and shale
4605	4610	5	sand and shale
4610	4615	5	sand and shale
4615	4620	5	sand and shale
4620	4625	5	sand and shale
4625	4630	5	sand and shale
4630	4635	5	sand and shale
4635	4640	5	sand and shale
4640	4645	5	sand and shale
4645	4650	5	sand and shale
4650	4655	5	sand and shale
4655	4660	5	sand and shale
4660	4665	5	sand and shale
4665	4670	5	sand and shale
4670	4675	5	sand and shale
4675	4680	5	sand and shale
4680	4685	5	sand and shale
4685	4690	5	sand and shale
4690	4695	5	sand and shale
4695	4700	5	sand and shale
4700	4705	5	sand and shale
4705	4710	5	sand and shale
4710	4715	5	sand and shale
4715	4720	5	sand and shale
4720	4725	5	sand and shale
4725	4730	5	sand and shale
4730	4735	5	sand and shale
4735	4740	5	sand and shale
4740	4745	5	sand and shale
4745	4750	5	sand and shale
4750	4755	5	sand and shale
4755	4760	5	sand and shale
4760	4765	5	sand and shale
4765	4770	5	sand and shale
4770	4775	5	sand and shale
4775	4780	5	sand and shale
4780	4785	5	sand and shale
4785	4790	5	sand and shale
4790	4795	5	sand and shale
4795	4800	5	sand and shale
4800	4805	5	sand and shale
4805	4810	5	sand and shale
4810	4815	5	sand and shale
4815	4820	5	sand and shale
4820	4825	5	sand and shale
4825	4830	5	sand and shale
4830	4835	5	sand and shale
4835	4840	5	sand and shale
4840	4845	5	sand and shale
4845	4850	5	sand and shale
4850	4855	5	sand and shale
4855	4860	5	sand and shale
4860	4865	5	sand and shale
4865	4870	5	sand and shale
4870	4875	5	sand and shale
4875	4880	5	sand and shale
4880	4885	5	sand and shale
4885	4890	5	sand and shale
4890	4895	5	sand and shale
4895	4900	5	sand and shale
4900	4905	5	sand and shale
4905	4910	5	sand and shale
4910	4915	5	sand and shale
4915	4920	5	sand and shale
4920	4925	5	sand and shale
4925	4930	5	sand and shale
4930	4935	5	sand and shale
4935	4940	5	sand and shale
4940	4945	5	sand and shale
4945	4950	5	sand and shale
4950	4955	5	sand and shale
4955	4960	5	sand and shale
4960	4965	5	sand and shale
4965	4970	5	sand and shale
4970	4975	5	sand and shale
4975	4980	5	sand and shale
4980	4985	5	sand and shale
4985	4990	5	sand and shale
4990	4995	5	sand and shale
4995	5000	5	sand and shale

FORMATION TOPS

- 3512 - Kirtland
- 3640 - Fruitland
- 3660 - Upper Pictured Cliffs
- 4024 - Lower Pictured Cliffs
- 4102 - Lewis Shale
- 4728 - Cliff House
- 4778 - Kirtland
- 6047 - Paint Lookout

FORMATION RECORD—Continued