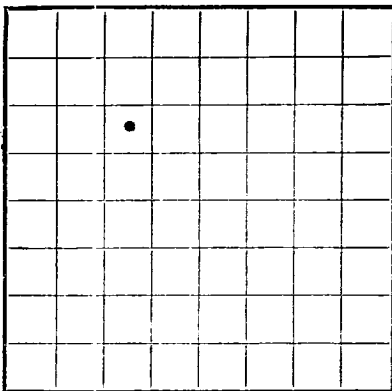


U. S. LAND OFFICE **Jicarilla Apache**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Jicarilla Contract 148
Tract 245UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **STANOLINE OIL AND GAS COMPANY** Address **Box 487 - Farmington, N. M.**
Lessor or Tract **JICARILLA CONTRACT 148** Field **South Blanco-Pictured Cliffs** State **New Mexico**
Well No. **4** Sec. **13** T. **25N** R. **5W** Meridian **KMPH** County **Rio Arriba**
Location **1650** ft. **(S.)** of **N** Line and **1650** ft. **(E.)** of **W** Line of **Sec. 13** Elevation **7351 (GL)**
(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 *L. D. Owens*Date **July 14, 1956** Title **Field Superintendent**

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

Commenced drilling **May 12,** 19**56** Finished drilling **May 22**, 19**56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3624** to **3670 (G)** 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 casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	22.75	Slip Joint	National	167	Guide				Surface
5-1/2"	14.4	Slip Joint	National	3690	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	167	100	Circulated		
5-1/2"	3690	100	Circulated		

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

TOOLS USED

Rotary tools were used from **0** feet to **3690** feet, and from _____ feet to _____ feet

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

DATES

_____ **May 23**, 19**56** Put to producing **Start in**, 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 **5,038,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1022 psi**

EMPLOYEES

_____ **E. H. Owens**, Driller _____ **C. R. Plam**, Driller_____ **Jack Dean**, Driller _____ **J. D. Dean**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3270	3270	Surface sand and shale
3270	3624	354	Kirtland-Fruitland
3624	3690	66	Pictured Cliffs

FROM—

TO—

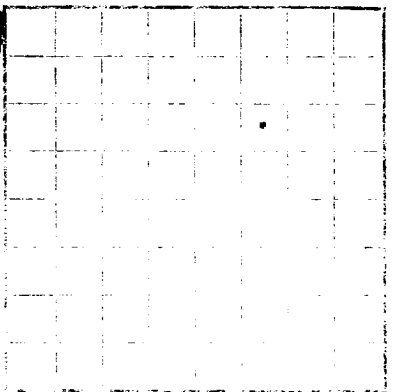
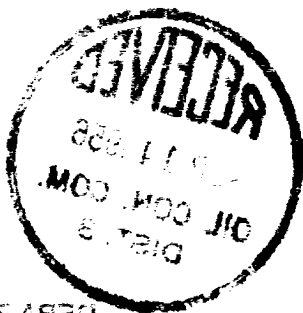
TOTAL FEET

[OVER]

FORMATION

16-48004-6

FORMATION RECORD—CONTINUING



U.S. LAND OFFICE
BUREAU OF REVENUE
LEASE OR PERMIT TO PROSPECT
WELL NO. 1111
TOWN OF
COUNTY OF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Location of well, as shown on map, is in the NW 1/4 of Section 36, Township 14N, Range 10E, T14N, R10E, S4E, 10th Principal Meridian, State of Texas, County of Tarrant, near the town of Fort Worth, Texas. The well was drilled by the Texas Company, and is owned by the Texas Company. The well was drilled to a depth of 3627 feet, and was completed on May 27, 1936. The well was drilled with a 4 1/2 inch bit, and was cased with 4 1/2 inch casing. The well was cemented with 100 sacks of cement. The well was tested at 3627 feet, and was found to be productive. The well was drilled with a 4 1/2 inch bit, and was cased with 4 1/2 inch casing. The well was cemented with 100 sacks of cement. The well was tested at 3627 feet, and was found to be productive.

On May 27, 1936, well was perforated 3627 to 3637 feet with four jet shots per foot and 25,000 gallons water and 30,000 pounds sand. Formation broke at 3500 pounds. Average injection rate 50 barrels per minute. Test after time was 5,096 MCF per day. Completed drilling May 15, 1936. Finished drilling May 23, 1936. The summary on the page is for the condition of the well at above date.

Casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated
4 1/2 inch	100	8	Waco	100	Waco	3627 to 3637	3627 to 3637

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and the results. If there were any changes made in the casing, state date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
3627	3637	10	SANDSTONE
3637	3647	10	SANDSTONE
3647	3657	10	SANDSTONE
3657	3667	10	SANDSTONE
3667	3677	10	SANDSTONE
3677	3687	10	SANDSTONE
3687	3697	10	SANDSTONE
3697	3707	10	SANDSTONE
3707	3717	10	SANDSTONE
3717	3727	10	SANDSTONE
3727	3737	10	SANDSTONE
3737	3747	10	SANDSTONE
3747	3757	10	SANDSTONE
3757	3767	10	SANDSTONE
3767	3777	10	SANDSTONE
3777	3787	10	SANDSTONE
3787	3797	10	SANDSTONE
3797	3807	10	SANDSTONE
3807	3817	10	SANDSTONE
3817	3827	10	SANDSTONE
3827	3837	10	SANDSTONE
3837	3847	10	SANDSTONE
3847	3857	10	SANDSTONE
3857	3867	10	SANDSTONE
3867	3877	10	SANDSTONE
3877	3887	10	SANDSTONE
3887	3897	10	SANDSTONE
3897	3907	10	SANDSTONE
3907	3917	10	SANDSTONE
3917	3927	10	SANDSTONE
3927	3937	10	SANDSTONE
3937	3947	10	SANDSTONE
3947	3957	10	SANDSTONE
3957	3967	10	SANDSTONE
3967	3977	10	SANDSTONE
3977	3987	10	SANDSTONE
3987	3997	10	SANDSTONE
3997	4007	10	SANDSTONE
4007	4017	10	SANDSTONE
4017	4027	10	SANDSTONE
4027	4037	10	SANDSTONE
4037	4047	10	SANDSTONE
4047	4057	10	SANDSTONE
4057	4067	10	SANDSTONE
4067	4077	10	SANDSTONE
4077	4087	10	SANDSTONE
4087	4097	10	SANDSTONE
4097	4107	10	SANDSTONE
4107	4117	10	SANDSTONE
4117	4127	10	SANDSTONE
4127	4137	10	SANDSTONE
4137	4147	10	SANDSTONE
4147	4157	10	SANDSTONE
4157	4167	10	SANDSTONE
4167	4177	10	SANDSTONE
4177	4187	10	SANDSTONE
4187	4197	10	SANDSTONE
4197	4207	10	SANDSTONE
4207	4217	10	SANDSTONE
4217	4227	10	SANDSTONE
4227	4237	10	SANDSTONE
4237	4247	10	SANDSTONE
4247	4257	10	SANDSTONE
4257	4267	10	SANDSTONE
4267	4277	10	SANDSTONE
4277	4287	10	SANDSTONE
4287	4297	10	SANDSTONE
4297	4307	10	SANDSTONE
4307	4317	10	SANDSTONE
4317	4327	10	SANDSTONE
4327	4337	10	SANDSTONE
4337	4347	10	SANDSTONE
4347	4357	10	SANDSTONE
4357	4367	10	SANDSTONE
4367	4377	10	SANDSTONE
4377	4387	10	SANDSTONE
4387	4397	10	SANDSTONE
4397	4407	10	SANDSTONE
4407	4417	10	SANDSTONE
4417	4427	10	SANDSTONE
4427	4437	10	SANDSTONE
4437	4447	10	SANDSTONE
4447	4457	10	SANDSTONE
4457	4467	10	SANDSTONE
4467	4477	10	SANDSTONE
4477	4487	10	SANDSTONE
4487	4497	10	SANDSTONE
4497	4507	10	SANDSTONE
4507	4517	10	SANDSTONE
4517	4527	10	SANDSTONE
4527	4537	10	SANDSTONE
4537	4547	10	SANDSTONE
4547	4557	10	SANDSTONE
4557	4567	10	SANDSTONE
4567	4577	10	SANDSTONE
4577	4587	10	SANDSTONE
4587	4597	10	SANDSTONE
4597	4607	10	SANDSTONE
4607	4617	10	SANDSTONE
4617	4627	10	SANDSTONE
4627	4637	10	SANDSTONE
4637	4647	10	SANDSTONE
4647	4657	10	SANDSTONE
4657	4667	10	SANDSTONE
4667	4677	10	SANDSTONE
4677	4687	10	SANDSTONE
4687	4697	10	SANDSTONE
4697	4707	10	SANDSTONE
4707	4717	10	SANDSTONE
4717	4727	10	SANDSTONE
4727	4737	10	SANDSTONE
4737	4747	10	SANDSTONE
4747	4757	10	SANDSTONE
4757	4767	10	SANDSTONE
4767	4777	10	SANDSTONE
4777	4787	10	SANDSTONE
4787	4797	10	SANDSTONE
4797	4807	10	SANDSTONE
4807	4817	10	SANDSTONE
4817	4827	10	SANDSTONE
4827	4837	10	SANDSTONE
4837	4847	10	SANDSTONE
4847	4857	10	SANDSTONE
4857	4867	10	SANDSTONE
4867	4877	10	SANDSTONE
4877	4887	10	SANDSTONE
4887	4897	10	SANDSTONE
4897	4907	10	SANDSTONE
4907	4917	10	SANDSTONE
4917	4927	10	SANDSTONE
4927	4937	10	SANDSTONE
4937	4947	10	SANDSTONE
4947	4957	10	SANDSTONE
4957	4967	10	SANDSTONE
4967	4977	10	SANDSTONE
4977	4987	10	SANDSTONE
4987	4997	10	SANDSTONE
4997	5007	10	SANDSTONE
5007	5017	10	SANDSTONE
5017	5027	10	SANDSTONE
5027	5037	10	SANDSTONE
5037	5047	10	SANDSTONE
5047	5057	10	SANDSTONE
5057	5067	10	SANDSTONE
5067	5077	10	SANDSTONE
5077	5087	10	SANDSTONE
5087	5097	10	SANDSTONE
5097	5107	10	SANDSTONE
5107	5117	10	SANDSTONE
5117	5127	10	SANDSTONE
5127	5137	10	SANDSTONE
5137	5147	10	SANDSTONE
5147	5157	10	SANDSTONE
5157	5167	10	SANDSTONE
5167	5177	10	SANDSTONE
5177	5187	10	SANDSTONE
5187	5197	10	SANDSTONE
5197	5207	10	SANDSTONE
5207	5217	10	SANDSTONE
5217	5227	10	SANDSTONE
5227	5237	10	SANDSTONE
5237	5247	10	SANDSTONE
5247	5257	10	SANDSTONE
5257	5267	10	SANDSTONE
5267	5277	10	SANDSTONE
5277	5287	10	SANDSTONE
5287	5297	10	SANDSTONE
5297	5307	10	SANDSTONE
5307	5317	10	SANDSTONE
5317	5327	10	SANDSTONE
5327	5337	10	SANDSTONE
5337	5347	10	SANDSTONE
5347	5357	10	SANDSTONE
5357	5367	10	SANDSTONE
5367	5377	10	SANDSTONE
5377	5387	10	SANDSTONE
5387	5397	10	SANDSTONE
5397	5407	10	SANDSTONE
5407	5417	10	SANDSTONE
5417	5427	10	SANDSTONE
5427	5437	10	SANDSTONE
5437	5447	10	SANDSTONE
5447	5457	10	SANDSTONE
5457	5467	10	SANDSTONE
5467	5477	10	SANDSTONE
5477	5487	10	SANDSTONE
5487	5497	10	SANDSTONE
5497	5507	10	SANDSTONE
5507	5517	10	SANDSTONE
5517	5527	10	SANDSTONE
5527	5537	10	SANDSTONE
5537	5547	10	SANDSTONE
5547	5557	10	SANDSTONE
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5567	5577	10	SANDSTONE
5577	5587	10	SANDSTONE
5587	5597	10	SANDSTONE
5597	5607	10	SANDSTONE
5607	5617	10	SANDSTONE
5617	5627	10	SANDSTONE
5627	5637	10	SANDSTONE
5637	5647	10	SANDSTONE
5647	5657	10	SANDSTONE
5657	5667	10	SANDSTONE
5667	5677	10	SANDSTONE
5677	5687	10	SANDSTONE
5687	5697	10	SANDSTONE
5697	5707	10	SANDSTONE
5707	5717	10	SANDSTONE
5717	5727	10	SANDSTONE
5727	5737	10	SANDSTONE
5737	5747	10	SANDSTONE
5747	5757	10	SANDSTONE
5757	5767	10	SANDSTONE
5767	5777	10	SANDSTONE
5777	5787	10	SANDSTONE
5787	5797	10	SANDSTONE
5797	5807	10	SANDSTONE
5807	5817	10	SANDSTONE
5817	5827	10	SANDSTONE
5827	5837	10	SANDSTONE
5837	5847	10	SANDSTONE
5847	5857	10	SANDSTONE
5857	5867	10	SANDSTONE
5867	5877	10	SANDSTONE
5877	5887	10	SANDSTONE
5887	5897	10	SANDSTONE
5897	5907	10	SANDSTONE
5907	5917	10	SANDSTONE
5917	5927	10	SANDSTONE
5927	5937	10	SANDSTONE
5937	5947	10	SANDSTONE
5947	5957	10	SANDSTONE
5957	5967	10	SANDSTONE
5967	5977	10	SANDSTONE
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5987	5997	10	SANDSTONE
5997	6007	10	SANDSTONE
6007	6017	10	SANDSTONE
6017	6027	10	SANDSTONE
6027	6037	10	SANDSTONE
6037	6047	10	SANDSTONE
6047	6057	10	SANDSTONE
6057	6067	10	SANDSTONE
6067	6077	10	SANDSTONE
6077	6087	10	SANDSTONE
6087	6097	10	SANDSTONE
6097	6107	10	SANDSTONE
6107	6117	10	SANDSTONE
6117	6127	10	SANDSTONE
6127	6137	10	SANDSTONE
6137	6147	10	SANDSTONE
6147	6157	10	SANDSTONE
6157	6167	10	SANDSTONE
6167	6177	10	SANDSTONE
6177	6187	10	SANDSTONE
6187	6197	10	SANDSTONE
6197	6207	10	SANDSTONE
6207	6217	10	SANDSTONE
6217	6227	10	SANDSTONE
6227	6237	10	SANDSTONE
6237	6247	10	SANDSTONE
6247	6257	10	SANDSTONE
6257	6267	10	SANDSTONE
6267	6277	10	SANDSTONE
6277	6287	10	SANDSTONE
6287	6297	10	SANDSTONE
6297	6307	10	SANDSTONE
6307	6317	10	SANDSTONE
6317	6327	10	SANDSTONE
6327	6337	10	SANDSTONE
6337	6347	10	SANDSTONE
6347	6357	10	SANDSTONE
6357	6367	10	SANDSTONE
6367	6377	10	SANDSTONE
6377	6387	10	SANDSTONE
6387	6397	10	SANDSTONE
6397	6407	10	SANDSTONE
6407	6417	10	SANDSTONE
6417	6427	10	SANDSTONE
6427	6437	10	SANDSTONE
6437	6447	10	SANDSTONE
6447	6457	10	SANDSTONE
6457	6467	10	SANDSTONE
6467	6477	10	SANDSTONE
6477	6487	10	SANDSTONE
6487	6497	10	SANDSTONE
6497	6507	10	SANDSTONE
6507	6517	10	SANDSTONE
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6527	6537	10	SANDSTONE
6537	6547	10	SANDSTONE
6547	6557	10	SANDSTONE
6557	6567	10	SANDSTONE
6567	6577	10	SANDSTONE
6577	6587	10	SANDSTONE
6587	6597	10	SANDSTONE
6597	6607	10	SANDSTONE
6607	6617	10	SANDSTONE
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6637	6647	10	SANDSTONE
6647	6657	10	SANDSTONE
6657	6667	10	SANDSTONE
6667	6677	10	SANDSTONE
6677	6687	10	SANDSTONE
6687	6697	10	SANDSTONE
6697	6707	10	SANDSTONE
6707	6717	10	SANDSTONE
6717	6727	10	SANDSTONE
6727	6737	10	S