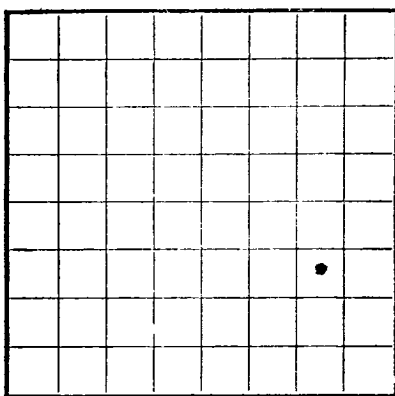
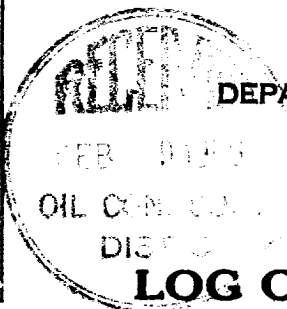




LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

U. S. LAND OFFICE
SERIAL NUMBER **Jicarilla Apache**
LEASE OR PERMIT TO PROSPECT
Jicarilla Contract 148
Tract 245

Company **Continental Oil Co.** Address **Box 487, Farmington, New Mexico**
Lessor or Tract **Jicarilla Contract 148** Field **South Blaine-Pictured Cliffs** State **New Mexico**
Well No. **2** Sec. **14** T. **25N** R. **5W** Meridian **NMPM** County **Rio Arriba**
Location **1580** ft. **N** of **8** Line and **900** ft. **W** of **8** Line of **Section 14** Elevation **6873**
(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

Date **January 26, 1956**Title **Field Superintendent**

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

Commenced drilling **December 4**, 19**55** Finished drilling **December 13**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3122** to **3148 (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	31	Arco	172	Guide				Surface
5-1/2	17.5	26	National	3175	Open				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	172	125	Circulated		
5-1/2	3175	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 **3175** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 18, 19**55** Put to producing **Shut-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 **3289.600** Gallons gasoline per 1,000 cu. ft. of gas _____

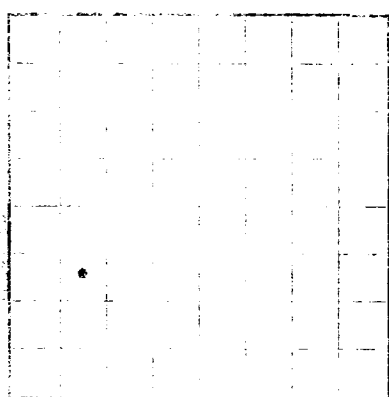
Rock pressure, lbs. per sq. in. **726 1032**

EMPLOYEES

L. E. Humphrey, Driller **Bill Adams**, Driller
M. D. Stone, Driller **J. A. Ball**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2810	2810	Surface sand and shale, Kirtland
2810	3115	305	Fruitland
3115	3150	35	Pictured Cliffs



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

County, _____
Twp. _____, R. _____, S. _____
Section _____, T. _____, R. _____, S. _____
Location _____
The location 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 _____
Signed _____
Title _____

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

Well was spudded on December 4, 1955. On December 5, 1955, 8-5/8" casing was landed at 172 feet and cemented with 125 sacks regular cement. After waiting on cement for 36 hours, casing and water shut off were tested with 500 pounds pressure for 30 minutes with no drop in pressure. Drilling operations were resumed. On December 10, 1955, 5-1/2" casing was landed at 3175 feet and cemented with 100 sacks regular cement. After waiting on cement 48 hours, casing and water shut off were tested with 1000 pounds pressure for 30 minutes with no drop in pressure. Drilling operations were resumed. On December 13, 1955, well was perforated with four jet shots per foot from 3126-3145 feet. Well was then sand-water flooded with 27,000 gallons water and 30,000 pounds sand. Breakdown pressure was 750 pounds. Average injection rate 41.4 BPM.

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 its results. If there were any changes made in the casing, state fully, and if any casing was "back-sheathed" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and depth of shot. If plugs or bridges were put in to test for water, state kind of material used, position, and reason for putting it in.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
3126	3145	19	SAND
3145	3175	30	SHALE
3175	3180	5	SHALE
3180	3185	5	SHALE
3185	3190	5	SHALE
3190	3195	5	SHALE
3195	3200	5	SHALE
3200	3205	5	SHALE
3205	3210	5	SHALE
3210	3215	5	SHALE
3215	3220	5	SHALE
3220	3225	5	SHALE
3225	3230	5	SHALE
3230	3235	5	SHALE
3235	3240	5	SHALE
3240	3245	5	SHALE
3245	3250	5	SHALE
3250	3255	5	SHALE
3255	3260	5	SHALE
3260	3265	5	SHALE
3265	3270	5	SHALE
3270	3275	5	SHALE
3275	3280	5	SHALE
3280	3285	5	SHALE
3285	3290	5	SHALE
3290	3295	5	SHALE
3295	3300	5	SHALE
3300	3305	5	SHALE
3305	3310	5	SHALE
3310	3315	5	SHALE
3315	3320	5	SHALE
3320	3325	5	SHALE
3325	3330	5	SHALE
3330	3335	5	SHALE
3335	3340	5	SHALE
3340	3345	5	SHALE
3345	3350	5	SHALE
3350	3355	5	SHALE
3355	3360	5	SHALE
3360	3365	5	SHALE
3365	3370	5	SHALE
3370	3375	5	SHALE
3375	3380	5	SHALE
3380	3385	5	SHALE
3385	3390	5	SHALE
3390	3395	5	SHALE
3395	3400	5	SHALE
3400	3405	5	SHALE
3405	3410	5	SHALE
3410	3415	5	SHALE
3415	3420	5	SHALE
3420	3425	5	SHALE
3425	3430	5	SHALE
3430	3435	5	SHALE
3435	3440	5	SHALE
3440	3445	5	SHALE
3445	3450	5	SHALE
3450	3455	5	SHALE
3455	3460	5	SHALE
3460	3465	5	SHALE
3465	3470	5	SHALE
3470	3475	5	SHALE
3475	3480	5	SHALE
3480	3485	5	SHALE
3485	3490	5	SHALE
3490	3495	5	SHALE
3495	3500	5	SHALE
3500	3505	5	SHALE
3505	3510	5	SHALE
3510	3515	5	SHALE
3515	3520	5	SHALE
3520	3525	5	SHALE
3525	3530	5	SHALE
3530	3535	5	SHALE
3535	3540	5	SHALE
3540	3545	5	SHALE
3545	3550	5	SHALE
3550	3555	5	SHALE
3555	3560	5	SHALE
3560	3565	5	SHALE
3565	3570	5	SHALE
3570	3575	5	SHALE
3575	3580	5	SHALE
3580	3585	5	SHALE
3585	3590	5	SHALE
3590	3595	5	SHALE
3595	3600	5	SHALE
3600	3605	5	SHALE
3605	3610	5	SHALE
3610	3615	5	SHALE
3615	3620	5	SHALE
3620	3625	5	SHALE
3625	3630	5	SHALE
3630	3635	5	SHALE
3635	3640	5	SHALE
3640	3645	5	SHALE
3645	3650	5	SHALE
3650	3655	5	SHALE
3655	3660	5	SHALE
3660	3665	5	SHALE
3665	3670	5	SHALE
3670	3675	5	SHALE
3675	3680	5	SHALE
3680	3685	5	SHALE
3685	3690	5	SHALE
3690	3695	5	SHALE
3695	3700	5	SHALE
3700	3705	5	SHALE
3705	3710	5	SHALE
3710	3715	5	SHALE
3715	3720	5	SHALE
3720	3725	5	SHALE
3725	3730	5	SHALE
3730	3735	5	SHALE
3735	3740	5	SHALE
3740	3745	5	SHALE
3745	3750	5	SHALE
3750	3755	5	SHALE
3755	3760	5	SHALE
3760	3765	5	SHALE
3765	3770	5	SHALE
3770	3775	5	SHALE
3775	3780	5	SHALE
3780	3785	5	SHALE
3785	3790	5	SHALE
3790	3795	5	SHALE
3795	3800	5	SHALE
3800	3805	5	SHALE
3805	3810	5	SHALE
3810	3815	5	SHALE
3815	3820	5	SHALE
3820	3825	5	SHALE
3825	3830	5	SHALE
3830	3835	5	SHALE
3835	3840	5	SHALE
3840	3845	5	SHALE
3845	3850	5	SHALE
3850	3855	5	SHALE
3855	3860	5	SHALE
3860	3865	5	SHALE
3865	3870	5	SHALE
3870	3875	5	SHALE
3875	3880	5	SHALE
3880	3885	5	SHALE
3885	3890	5	SHALE
3890	3895	5	SHALE
3895	3900	5	SHALE
3900	3905	5	SHALE
3905	3910	5	SHALE
3910	3915	5	SHALE
3915	3920	5	SHALE
3920	3925	5	SHALE
3925	3930	5	SHALE
3930	3935	5	SHALE
3935	3940	5	SHALE
3940	3945	5	SHALE
3945	3950	5	SHALE
3950	3955	5	SHALE
3955	3960	5	SHALE
3960	3965	5	SHALE
3965	3970	5	SHALE
3970	3975	5	SHALE
3975	3980	5	SHALE
3980	3985	5	SHALE
3985	3990	5	SHALE
3990	3995	5	SHALE
3995	4000	5	SHALE