

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER 66
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES **Jicarilla Tribal**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company EL PASO NATURAL GAS COMPANY Address Box 997, Farmington, New Mexico
 Lessor or Tract Jicarilla Field S. Blanco PC State New Mexico
 Well No. 14-B Sec. 33 T. 25N R. 4W Meridian N.M.P.M. County Rio Arriba
 Location 1090 ft. ^(N) of N. Line and 1650 ft. ^(E) of W. Line of Sec. 33 Elevation 6843
(Derive 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 January 20, 1960 Signed _____ Title Division Petroleum Engineer

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

Commenced drilling ~~April 21st~~, 19~~59~~ Finished drilling ~~December 29th~~, 19~~59~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3019 to 3089 (a) 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. 2, from _____ to _____

No. 3, 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"	20.5	8	2999	1200	Pattern	Pattern	3052	3053	Production
5-1/2"	16.5	8	2999	1200	Pattern	Pattern	3054	3062	Production
							3081	3089	Production
2-3/8"	11.7	8	2999	1200	Pattern	Pattern			String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8" 1	131	90	Amp & Plug		
5-1/2" 1	3117	206			
3-1/2" 1	1006				

PLUGS AND ADAPTERS

Heaving plug—Material	None	Length	Depth set
Adapters—Material	None	Size	

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
FBTD 3099. Sandfraced through perforations with 26,000 gallons water and 30,000# sand. Breakdown pressure 1200, treating pressure 1600-1800. Average injection rate 53 BPM. Dropped 90 rubber balls during treatment.						

TOOLS USED

Rotary tools were used from Surface feet to TD 3117 feet, and from _____ feet to _____ feet
Cable tools were used from to complete feet to _____ feet, and from _____ feet to _____ feet

DATES

Ran Tubing		DATES		Potential Test	
December 31st	1959	Put to producing	January 13th	1960	

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 1,528,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 900 Open 5 inches through 3/4" choke on

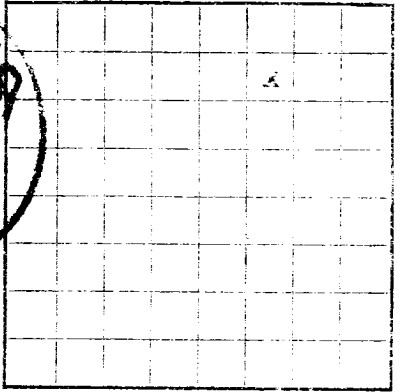
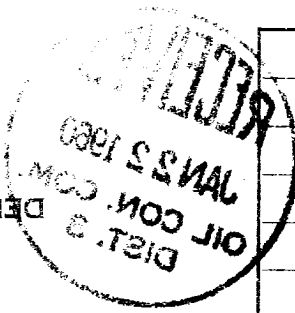
Benson-Montin-Greer	Driller	AOB 1,528 MCF/day
Drilling Corp.	Driller	

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2948	2948	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
2948	2956	8	Coal
2956	2959	3	Shale
2959	2961	2	Coal
2961	2979	18	Shale
2979	2988	9	Coal
2988	2992	4	Shale
2992	2994	2	Coal
2994	3019	25	Shale
3019	3089	70	Sand
3089	3117	28	Shale
			TOP OF PICTURED CLIFFS (GRN) 3019'
FROM—	TO—	TOTAL FEET	FORMATION

U. S. LAND OFFICE
SERIAL NUMBER
PLEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company, at 2222 West 1st St., Los Angeles, California
Lessor or Tract
Well No. 1, Sec. 1, T. 1 N., R. 1 E., S. 1 W., Meridian
Location 400 ft. N. of line and 100 ft. E. of line of
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 10, 1930
Title _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
1930

OIL OR GAS SANDS OR ZONES

(Describe gas by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, 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	Performed	Purpose
							From—	To—
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state type, size, and number of joints. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling. If the well has been damaged, give 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 pulling.								

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Weight per foot	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Bar	Depth shot	Depth cleaned out

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

Put to producing _____
The production for the first 24 hours was _____
emulsion; _____% water; and _____% sediment.
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	100	100	Surface sand and shale, 100 ft. deep
2148	2150	2	Shale
2150	2152	2	Shale
2152	2154	2	Shale
2154	2156	2	Shale
2156	2158	2	Shale
2158	2160	2	Shale
2160	2162	2	Shale
2162	2164	2	Shale
2164	2166	2	Shale
2166	2168	2	Shale
2168	2170	2	Shale
2170	2172	2	Shale
2172	2174	2	Shale
2174	2176	2	Shale
2176	2178	2	Shale
2178	2180	2	Shale
2180	2182	2	Shale
2182	2184	2	Shale
2184	2186	2	Shale
2186	2188	2	Shale
2188	2190	2	Shale
2190	2192	2	Shale
2192	2194	2	Shale
2194	2196	2	Shale
2196	2198	2	Shale
2198	2200	2	Shale
2200	2202	2	Shale
2202	2204	2	Shale
2204	2206	2	Shale
2206	2208	2	Shale
2208	2210	2	Shale
2210	2212	2	Shale
2212	2214	2	Shale
2214	2216	2	Shale
2216	2218	2	Shale
2218	2220	2	Shale
2220	2222	2	Shale
2222	2224	2	Shale
2224	2226	2	Shale
2226	2228	2	Shale
2228	2230	2	Shale
2230	2232	2	Shale
2232	2234	2	Shale
2234	2236	2	Shale
2236	2238	2	Shale
2238	2240	2	Shale
2240	2242	2	Shale
2242	2244	2	Shale
2244	2246	2	Shale
2246	2248	2	Shale
2248	2250	2	Shale
2250	2252	2	Shale
2252	2254	2	Shale
2254	2256	2	Shale
2256	2258	2	Shale
2258	2260	2	Shale
2260	2262	2	Shale
2262	2264	2	Shale
2264	2266	2	Shale
2266	2268	2	Shale
2268	2270	2	Shale
2270	2272	2	Shale
2272	2274	2	Shale
2274	2276	2	Shale
2276	2278	2	Shale
2278	2280	2	Shale
2280	2282	2	Shale
2282	2284	2	Shale
2284	2286	2	Shale
2286	2288	2	Shale
2288	2290	2	Shale
2290	2292	2	Shale
2292	2294	2	Shale
2294	2296	2	Shale
2296	2298	2	Shale
2298	2300	2	Shale
2300	2302	2	Shale
2302	2304	2	Shale
2304	2306	2	Shale
2306	2308	2	Shale
2308	2310	2	Shale
2310	2312	2	Shale
2312	2314	2	Shale
2314	2316	2	Shale
2316	2318	2	Shale
2318	2320	2	Shale
2320	2322	2	Shale
2322	2324	2	Shale
2324	2326	2	Shale
2326	2328	2	Shale
2328	2330	2	Shale
2330	2332	2	Shale
2332	2334	2	Shale
2334	2336	2	Shale
2336	2338	2	Shale
2338	2340	2	Shale
2340	2342	2	Shale
2342	2344	2	Shale
2344	2346	2	Shale
2346	2348	2	Shale
2348	2350	2	Shale
2350	2352	2	Shale
2352	2354	2	Shale
2354	2356	2	Shale
2356	2358	2	Shale
2358	2360	2	Shale
2360	2362	2	Shale
2362	2364	2	Shale
2364	2366	2	Shale
2366	2368	2	Shale
2368	2370	2	Shale
2370	2372	2	Shale
2372	2374	2	Shale
2374	2376	2	Shale
2376	2378	2	Shale
2378	2380	2	Shale
2380	2382	2	Shale
2382	2384	2	Shale
2384	2386	2	Shale
2386	2388	2	Shale
2388	2390	2	Shale
2390	2392	2	Shale
2392	2394	2	Shale
2394	2396	2	Shale
2396	2398	2	Shale
2398	2400	2	Shale
2400	2402	2	Shale
2402	2404	2	Shale
2404	2406	2	Shale
2406	2408	2	Shale
2408	2410	2	Shale
2410	2412	2	Shale
2412	2414	2	Shale
2414	2416	2	Shale
2416	2418	2	Shale
2418	2420	2	Shale
2420	2422	2	Shale
2422	2424	2	Shale
2424	2426	2	Shale
2426	2428	2	Shale
2428	2430	2	Shale
2430	2432	2	Shale
2432	2434	2	Shale
2434	2436	2	Shale
2436	2438	2	Shale
2438	2440	2	Shale
2440	2442	2	Shale
2442	2444	2	Shale
2444	2446	2	Shale
2446	2448	2	Shale
2448	2450	2	Shale
2450	2452	2	Shale
2452	2454	2	Shale
2454	2456	2	Shale
2456	2458	2	Shale
2458	2460	2	Shale
2460	2462	2	Shale
2462	2464	2	Shale
2464	2466	2	Shale
2466	2468	2	Shale
2468	2470	2	Shale
2470	2472	2	Shale
2472	2474	2	Shale
2474	2476	2	Shale
2476	2478	2	Shale
2478	2480	2	Shale
2480	2482	2	Shale
2482	2484	2	Shale
2484	2486	2	Shale
2486	2488	2	Shale
2488	2490	2	Shale
2490	2492	2	Shale
2492	2494	2	Shale
2494	2496	2	Shale
2496	2498	2	Shale
2498	2500	2	Shale
2500	2502	2	Shale
2502	2504	2	Shale
2504	2506	2	Shale
2506	2508	2	Shale
2508	2510	2	Shale
2510	2512	2	Shale
2512	2514	2	Shale
2514	2516	2	Shale
2516	2518	2	Shale
2518	2520	2	Shale
2520	2522	2	Shale
2522	2524	2	Shale
2524	2526	2	Shale
2526	2528	2	Shale
2528	2530	2	Shale
2530	2532	2	Shale
2532	2534	2	Shale
2534	2536	2	Shale
2536	2538	2	Shale
2538	2540	2	Shale
2540	2542	2	Shale
2542	2544	2	Shale
2544	2546	2	Shale
2546	2548	2	Shale
2548	2550	2	Shale
2550	2552	2	Shale
2552	2554	2	Shale
2554	2556	2	Shale
2556	2558	2	Shale
2558	2560	2	Shale
2560	2562	2	Shale
2562	2564	2	Shale
2564	2566	2	Shale
2566	2568	2	Shale
2568	2570	2	Shale
2570	2572	2	Shale
2572	2574	2	Shale
2574	2576	2	Shale
2576	2578	2	Shale
2578	2580	2	Shale
2580	2582	2	Shale
2582	2584	2	Shale
2584	2586	2	Shale
2586	2588	2	Shale
2588	2590	2	Shale
2590	2592	2	Shale
2592	2594	2	Shale
2594	2596	2	Shale
2596	2598	2	Shale
2598	2600	2	Shale
2600	2602	2	Shale
2602	2604	2	Shale
2604	2606	2	Shale
2606	2608	2	Shale
2608	2610	2	Shale
2610	2612	2	Shale
2612	2614	2	Shale
2614	2616	2	Shale
2616	2618	2	Shale
2618	2620	2	Shale
2620	2622	2	Shale
2622	2624	2	Shale
2624	2626	2	Shale
2626	2628	2	Shale
2628	2630	2	Shale
2630	2632	2	Shale
2632	2634	2	Shale
2634	2636	2	Shale
2636	2638	2	Shale
2638	2640	2	Shale
2640	2642	2	Shale
2642	2644	2	Shale
2644	2646	2	Shale
2646	2648	2	Shale
2648	2650	2	Shale
2650	2652	2	Shale
2652	2654	2	Shale
2654	2656	2	Shale
2656	2658	2	Shale
2658	2660	2	Shale
2660	2662	2	Shale
2662	2664	2	Shale
2664	2666	2	Shale
2666	2668	2	Shale
2668	2670	2	Shale
2670	2672	2	Shale
2672	2674	2	Shale
2674	2676	2	Shale
2676	2678	2	Shale
2678	2680	2	Shale
2680	2682	2	Shale
2682	2684	2	Shale
2684	2686	2	Shale
2686	2688	2	Shale
2688	2690	2	Shale
2690	2692	2	Shale
2692	2694	2	Shale
2694	2696	2	Shale
2696	2698	2	Shale
2698	2700	2	Shale
2700	2702	2	Shale
2702	2704	2	Shale
2704	2706	2	Shale
2706	2708	2	Shale
2708	2710	2	Shale
2710	2712	2	Shale
2712	2714	2	Shale
2714	2716	2	Shale
2716	2718	2	Shale
2718	2720	2	Shale