

U. S. LAND OFFICE LAS CRUCES
SERIAL NUMBER 029392 A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

KEOHANE SAUNDERS WELCH & IVERSON
 Company _____ Address **ARTESIA, NEW MEXICO**
 Lessor or Tract **HINKLE** Field **SHUGART** State **NEW MEXICO**
 Well No. **I3-A** Sec. **34** T. **18S** R. **31E** Meridian **N.M.P.M.** County **EDDY**
 Location **290** ft. $\left. \begin{smallmatrix} N. \\ S. \end{smallmatrix} \right\}$ of **N.** Line and **330** ft. $\left. \begin{smallmatrix} E. \\ W. \end{smallmatrix} \right\}$ of **E.** Line of **34** Elevation **-**
(Derive floor position 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 12/22/58 Title AGENT

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

Commenced drilling 8/9/58, 1958 Finished drilling 11/12/58, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3880 to 3890 No. 4, from _____ to _____
 No. 2, from 3822 to 3832 No. 5, from _____ to _____
 No. 3, from 3836 to 3850 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—	
3	22	14	4117	940	1/2"	1/2"	3880	3890	PROD.
7	22	14	4117	940	1/2"	1/2"	3882	3882	PROD.
7	22	14	4117	940	1/2"	1/2"	3836	3850	PROD.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8	910	50	Denton		
7	4117	200	"		"

PLUGS AND ADAPTERS

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

SHOOTING RECORD

[illegible]

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

411V DATES

-----, 19----- Put to producing -----, 19-----
 11/8/58

The production for the first 24 hours was 60 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2220 **FILE 43-2448**

EMPLOYEES

E. McDORMAN	2085	Driller	TIME	2085	H. PINSON	Driller
	2086	Driller	TIME			
	2087	Driller	TIME			

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		2474	CLAY & SAND
		2475	CLAY
		2482	CLAY & SAND
		2484	CLAY
		2486	SAND & CLAY
		2488	CLAY
		2490	CLAY
		2492	CLAY & SAND
		2494	CLAY
		2496	SAND & CLAY
		2498	CLAY
		2500	SAND & CLAY
		2502	CLAY
		2504	SAND & CLAY
		2506	CLAY
		2508	SAND
		2510	SAND & CLAY
		2512	CLAY
		2514	SAND & CLAY
		2516	CLAY
		2518	SAND & CLAY
		2520	CLAY
		2522	SAND & CLAY
		2524	CLAY
		2526	SAND
		2528	CLAY & SAND
		2530	CLAY
		2532	CLAY & SAND
		2534	CLAY
		2536	CLAY & SAND
		2538	CLAY
		2540	CLAY & SAND
		2542	CLAY
		2544	CLAY & SAND
		2546	CLAY
		2548	CLAY & SAND
		2550	CLAY
		2552	CLAY & SAND
		2554	CLAY
		2556	CLAY & SAND
		2558	CLAY
		2560	CLAY & SAND
		2562	CLAY
		2564	CLAY & SAND
		2566	CLAY
		2568	CLAY & SAND
		2570	CLAY
		2572	CLAY & SAND
		2574	CLAY
		2576	CLAY & SAND
		2578	CLAY
		2580	CLAY & SAND
		2582	CLAY
		2584	CLAY & SAND
		2586	CLAY
		2588	CLAY & SAND
		2590	CLAY
		2592	CLAY & SAND
		2594	CLAY
		2596	CLAY & SAND
		2598	CLAY
		2600	CLAY & SAND
		2602	CLAY
		2604	CLAY & SAND
		2606	CLAY
		2608	CLAY & SAND
		2610	CLAY
		2612	CLAY & SAND
		2614	CLAY
		2616	CLAY & SAND
		2618	CLAY
		2620	CLAY & SAND
		2622	CLAY
		2624	CLAY & SAND
		2626	CLAY
		2628	CLAY & SAND
		2630	CLAY
		2632	CLAY & SAND
		2634	CLAY
		2636	CLAY & SAND
		2638	CLAY
		2640	CLAY & SAND
		2642	CLAY
		2644	CLAY & SAND
		2646	CLAY
		2648	CLAY & SAND
		2650	CLAY
		2652	CLAY & SAND
		2654	CLAY
		2656	CLAY & SAND
		2658	CLAY
		2660	CLAY & SAND
		2662	CLAY
		2664	CLAY & SAND
		2666	CLAY
		2668	CLAY & SAND
		2670	CLAY
		2672	CLAY & SAND
		2674	CLAY
		2676	CLAY & SAND
		2678	CLAY
		2680	CLAY & SAND
		2682	CLAY
		2684	CLAY & SAND
		2686	CLAY
		2688	CLAY & SAND
		2690	CLAY
		2692	CLAY & SAND
		2694	CLAY
		2696	CLAY & SAND
		2698	CLAY
		2700	CLAY & SAND
		2702	CLAY
		2704	CLAY & SAND
		2706	CLAY
		2708	CLAY & SAND
		2710	CLAY
		2712	CLAY & SAND
		2714	CLAY
		2716	CLAY & SAND
		2718	CLAY
		2720	CLAY & SAND
		2722	CLAY
		2724	CLAY & SAND
		2726	CLAY
		2728	CLAY & SAND
		2730	CLAY

LIBRARY OR PERMIT TO INSPECT
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LOG ON OR GAS WELL

[illegible]

LOCATE WELL CORRECTLY

[illegible]

Continued drilling _____, 19____
 Completed drilling _____, 19____
 The summary on this page is for the condition of the well at above date.
 Date _____ Title _____

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

No. 1 from 3251	to 3255	No. 4 from	to
No. 2 from 3256	to 3260	No. 5 from	to
No. 3 from 3261	to 3265	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

Casing Size	Casing Weight	Length Feet	Weight Lbs	Material	Kind of Joints	Kind and Weight of Cement	Remarks	Notes
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 slackened, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and method of shooting. 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

[illegible]

MIDDING AND CEMENTING RECORD

Bear Brand to Launch	Village Bank	Bear Brand	Bear Brand to Launch	Total	Other
-		100%	7	97%	6
			8	98%	8

PLACES AND ADJUTANT

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
(ELECTRIC LOG FURNISHED)						

(ELECTRIC LOG FURNISHED)

FORMATION	TO	FROM	TO	FROM
SAND - CALICHE	45			
RED BED	650			
R.B. & GYP.	717			
ANHY	845			
SALT	865			
ANHY & SAND	896			
ANHY	910			
RED BED	919			
SALT	2071			
ANHY.	2566			
SAND-ANHY	2580			
LINE	2610			
LINE & SAND	2632			
LINE & ANHY	2643			
ANHY	2660			
LINE	2718			
SAND & LINE	2730			
LINE	3187			
LINE & SAND	3205			
LINE	3402			
LINE & SAND	3414			
RED SAND	3441			
FORMATION				
LINE	3486			
SAND & LINE	3513			
LINE	3643			
LINE & SAND	3668			
LINE	3692			
LINE & SAND	3716			
LINE	3747			
SAND & LINE	3861			
LINE	3876			
LINE & SAND	3893			
LINE	3980			
LINE & SAND	4035			
LINE	4084			
SAND	4093			
SANDY LINE	4095			
LINE - TOTAL DEPTH	4117			

0.04

FORMATION RECORD—Continued