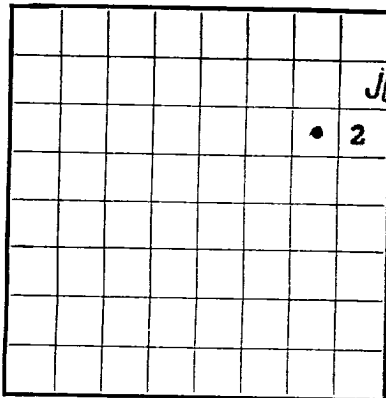




LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER **LC 064427**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **SONHO PETROLEUM COMPANY** Address **P.O. Box 3167, Midland, Texas 79701**
Lessor or Tract **Elliott B-15-2** Field **Penrose Skelly** State **New Mexico**
Well No. **2** Sec. **15** T. **22** R. **37** Meridian _____ County **Lea**
Location **1690** ft. **N** of **N** Line and **990** ft. **E** of **E** Line of **Sec. 15** Elevation **3394** KB
(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 **A. K. Hood** Title **District Superintendent**

Date **July 16, 1968**

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

Commenced drilling **June 24**, 19 **68** Finished drilling **June 30**, 19 **68**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3581'** to **3741'** 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"	24.4	22	X-42	323'	Guide				Surface
4-1/2"	13.30	22	Standard	3502'	Float		3581'	3741'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	336'	200 Reg. w/3% CG	Pump	—	Water
4-1/2"	3815'	350 Incon Class C	Pump	10.0	Salt gel mud to obtain
		First 250 sz w/4% Gel.			visc. of 36.

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
NONE						
Acidized w/1000 gal. 15% N.E. Acid - Bailed out @ 5800 psi. Sand fraced w/20,000 gal. Refined Oil & 25,000# of 20/40 sand. Max. Pressure 4500 psi. Inj. Rate 24.2 BPM.						

TOOLS USED

Rotary tools were used from **0** feet to **3815'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 15, 19 **68** Put to producing **new oil July 15**, 19 **68**

The production for the first 24 hours was **144** barrels of fluid of which **54** % was oil; _____ % emulsion; **46** % water; and _____ % sediment. **GOR 4744** Gravity, **°Be. 33.8**

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

Rock pressure, lbs. per sq. in. **600 psi Est. TP 305, CP 525, 20/64" choke**

EMPLOYEES

T. M. Hedrick, Driller **Cactus Drilling Company, Contractor**
T. O. Meaders, Driller **N. P. McDonald**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	338	338	Red Bed
338	505	167	Red Bed
505	1314	809	Red Bed, Salt
1314	2054	740	Salt & Anhydrite
2054	2410	356	Salt & Anhydrite
2410	2640	230	Anhydrite & Salt
2640	3282	642	Anhydrite
3282	3815	533	Lime & Dolomite

(OVER)

16-43091-4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF CUT OF GAS WELL

LOCATE WELL CORRECTLY

Company _____
 Lessor or Trust _____
 Well No. _____
 Location _____
 The information given herewith is a complete and correct record of all work done thereon
 as far as can be determined from all available records
 Signed _____
 Date _____

Commenced drilling _____ 1943. Drilling continued _____
The summary on this page is for the condition of the well at _____

OIL OR GAS SALES OR LEASES

No. 1, from	170.0 ft.
No. 2, from	170.0 ft.
No. 3, from	170.0 ft.

No. 1, from No. 2, from
No. 3, from
.....

INFORMATION / WATER DAMAGE

Case No.	Size	Weight	Threads per inch	State	Amount	Material	Label	Remarks
1000	1/2	10	10	Mass	100	100	100	100
1001	1/2	10	10	Mass	100	100	100	100
1002	1/2	10	10	Mass	100	100	100	100
1003	1/2	10	10	Mass	100	100	100	100
1004	1/2	10	10	Mass	100	100	100	100
1005	1/2	10	10	Mass	100	100	100	100
1006	1/2	10	10	Mass	100	100	100	100
1007	1/2	10	10	Mass	100	100	100	100
1008	1/2	10	10	Mass	100	100	100	100
1009	1/2	10	10	Mass	100	100	100	100
1010	1/2	10	10	Mass	100	100	100	100
1011	1/2	10	10	Mass	100	100	100	100
1012	1/2	10	10	Mass	100	100	100	100
1013	1/2	10	10	Mass	100	100	100	100
1014	1/2	10	10	Mass	100	100	100	100
1015	1/2	10	10	Mass	100	100	100	100
1016	1/2	10	10	Mass	100	100	100	100
1017	1/2	10	10	Mass	100	100	100	100
1018	1/2	10	10	Mass	100	100	100	100
1019	1/2	10	10	Mass	100	100	100	100
1020	1/2	10	10	Mass	100	100	100	100
1021	1/2	10	10	Mass	100	100	100	100
1022	1/2	10	10	Mass	100	100	100	100
1023	1/2	10	10	Mass	100	100	100	100
1024	1/2	10	10	Mass	100	100	100	100
1025	1/2	10	10	Mass	100	100	100	100
1026	1/2	10	10	Mass	100	100	100	100
1027	1/2	10	10	Mass	100	100	100	100
1028	1/2	10	10	Mass	100	100	100	100
1029	1/2	10	10	Mass	100	100	100	100
1030	1/2	10	10	Mass	100	100	100	100
1031	1/2	10	10	Mass	100	100	100	100
1032	1/2	10	10	Mass	100	100	100	100
1033	1/2	10	10	Mass	100	100	100	100
1034	1/2	10	10	Mass	100	100	100	100
1035	1/2	10	10	Mass	100	100	100	100
1036	1/2	10	10	Mass	100	100	100	100
1037	1/2	10	10	Mass	100	100	100	100
1038	1/2	10	10	Mass	100	100	100	100
1039	1/2	10	10	Mass	100	100	100	100
1040	1/2	10	10	Mass	100	100	100	100
1041	1/2	10	10	Mass	100	100	100	100
1042	1/2	10	10	Mass	100	100	100	100
1043	1/2	10	10	Mass	100	100	100	100
1044	1/2	10	10	Mass	100	100	100	100
1045	1/2	10	10	Mass	100	100	100	100
1046	1/2	10	10	Mass	100	100	100	100
1047								

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of repriming, 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 sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or falling.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
0	338	338	Gravel
338	340	2	Gravel
340	344	4	Gravel
344	350	6	Gravel
350	354	4	Gravel
354	358	4	Gravel
358	362	4	Gravel
362	366	4	Gravel
366	370	4	Gravel
370	374	4	Gravel
374	378	4	Gravel
378	382	4	Gravel
382	386	4	Gravel
386	390	4	Gravel
390	394	4	Gravel
394	398	4	Gravel
398	402	4	Gravel
402	406	4	Gravel
406	410	4	Gravel
410	414	4	Gravel
414	418	4	Gravel
418	422	4	Gravel
422	426	4	Gravel
426	430	4	Gravel
430	434	4	Gravel
434	438	4	Gravel
438	442	4	Gravel
442	446	4	Gravel
446	450	4	Gravel
450	454	4	Gravel
454	458	4	Gravel
458	462	4	Gravel
462	466	4	Gravel
466	470	4	Gravel
470	474	4	Gravel
474	478	4	Gravel
478	482	4	Gravel
482	486	4	Gravel
486	490	4	Gravel
490	494	4	Gravel
494	498	4	Gravel
498	502	4	Gravel
502	506	4	Gravel
506	510	4	Gravel
510	514	4	Gravel
514	518	4	Gravel
518	522	4	Gravel
522	526	4	Gravel
526	530	4	Gravel
530	534	4	Gravel
534	538	4	Gravel
538	542	4	Gravel
542	546	4	Gravel
546	550	4	Gravel
550	554	4	Gravel
554	558	4	Gravel
558	562	4	Gravel
562	566	4	Gravel
566	570	4	Gravel
570	574	4	Gravel
574	578	4	Gravel
578	582	4	Gravel
582	586	4	Gravel
586	590	4	Gravel
590	594	4	Gravel
594	598	4	Gravel
598	602	4	Gravel
602	606	4	Gravel
606	610	4	Gravel
610	614	4	Gravel
614	618	4	Gravel
618	622	4	Gravel
622	626	4	Gravel
626	630	4	Gravel
630	634	4	Gravel
634	638	4	Gravel
638	642	4	Gravel
642	646	4	Gravel
646	650	4	Gravel
650	654	4	Gravel
654	658	4	Gravel
658	662	4	Gravel
662	666	4	Gravel
666	670	4	Gravel
670	674	4	Gravel
674	678	4	Gravel
678	682	4	Gravel
682	686	4	Gravel
686	690	4	Gravel
690	694	4	Gravel
694	698	4	Gravel
698	702	4	Gravel
702	706	4	Gravel
706	710	4	Gravel
710	714	4	Gravel
714	718	4	Gravel
718	722	4	Gravel
722	726	4	Gravel
726	730	4	Gravel
730	734	4	Gravel
734	738	4	Gravel
738	742	4	Gravel
742	746	4	Gravel
746	750	4	Gravel
750	754	4	Gravel
754	758	4	Gravel
758	762	4	Gravel
762	766	4	Gravel
766	770	4	Gravel
770	774	4	Gravel
774	778	4	Gravel
778	782	4	Gravel
782	786	4	Gravel
786	790	4	Gravel
790	794	4	Gravel
794	798	4	Gravel
798	802	4	Gravel
802	806	4	Gravel
806	810	4	Gravel
810	814	4	Gravel
814	818	4	Gravel
818	822	4	Gravel
822	826	4	Gravel
826	830	4	Gravel
830	834	4	Gravel
834	838	4	Gravel
838	842	4	Gravel
842	846	4	Gravel
846	850	4	Gravel
850	854	4	Gravel
854	858	4	Gravel
858	862	4	Gravel
862	866	4	Gravel
866	870	4	Gravel
870	874	4	Gravel
874	878	4	Gravel
878	882	4	Gravel
882	886	4	Gravel
886	890	4	Gravel
890	894	4	Gravel
894	898	4	Gravel
898	902	4	Gravel
902	906	4	Gravel
906	910	4	Gravel
910	914	4	Gravel
914	918	4	Gravel
918	922	4	Gravel
922	926	4	Gravel
926	930	4	Gravel
930	934	4	Gravel
934	938	4	Gravel
938	942	4	Gravel
942	946	4	Gravel
946	950	4	Gravel
950	954	4	Gravel
954	958	4	Gravel
958	962	4	Gravel
962	966	4	Gravel
966	970	4	Gravel
970	974	4	Gravel
974	978	4	Gravel
978	982	4	Gravel
982	986	4	Gravel
986	990	4	Gravel
990	994	4	Gravel
994	998	4	Gravel
998	1000	2	Gravel