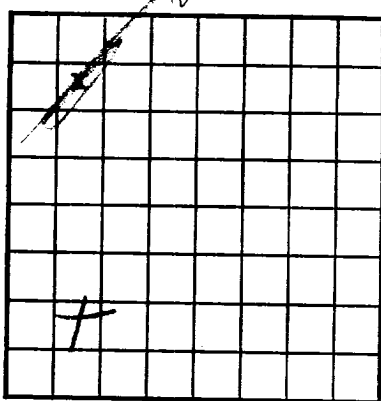




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 028992 A

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company ROLAND RICH WOOLLEY Address Box 326, Loco HillsLessor or Tract Roland Rich Woolley Field Fron State New MexicoWell No. 3-A Sec. 23 T. 17 R. 30 Meridian N.M.P.M. County EddyLocation 990 ft. (N) of E Line and 990 ft. (E) of N Line of Sec. 23 Elevation 3750'
(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 J. L. BrewerDate _____ Title Superintendent

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

Commenced drilling May 29, 1946 Finished drilling June 25, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1913' to 1927' No. 4, from _____ to _____No. 2, from 1945' to 1950' No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 440' 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"	28 1/2	8R	Beth.	449'	Tex. Pat.				
7"	20 1/2			1825'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	449'	50	Halliburton		Top to bottom
7"	1825'	100	"		" " "

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
	5"	Glycerine	290 qts.	6/23	1973'-04'	bottom

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

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was 5 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. _____

EMPLOYEES

Paul Morris, Driller W. H. Settlementire, DrillerE. E. Smith, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25	25	Sand & caliche
25	110	85	Sandy red bed
110	155	45	" " "
155	190	35	Anhydrite & red bed
190	230	40	Red bed
230	285	55	Anhydrite & re bed
285	325	40	"
325	385	60	" & red bed
385	415	30	Red bed
415	435	20	" " & anhydrite shells
435	475	40	" " "
475	482	7	Anhydrite
482	499	17	" & salt
499	585	86	Salt
585	645	60	" & poly
645	715	70	"
715	785	70	"
785	865	80	" & poly
865	940	75	"
940	1020	80	" & gyp
1020	1080	60	Poly & potash
1080	1150	70	Salt
1150	1200	50	" & anhydrite
1200	1340	140	Anhydrite
1340	1385	35	" , blue shale & red bed breaks
1375	1410	35	Red bed breaks

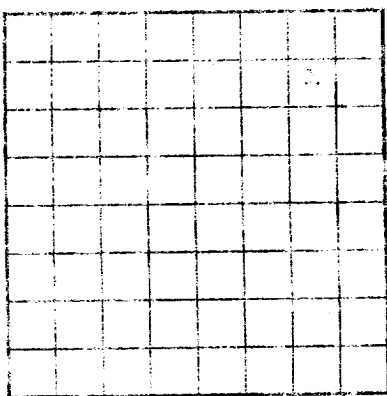
(OVER)

16-43094-2

LOGGING RECORD

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

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

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

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

No.	Depth	Weight	Kind of shoe	Cut and drilled from	Remarks

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 "added" or left in the well, give its size and location. If the well has been dynamited, give date, 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

U. S. GOVERNMENT PRINTING OFFICE

FROM		TO		FORMATION	
1410	1425	1425	1450	Red bed breaks & sand	15
1425	1450	1450	1475	anhydrite	20
1450	1475	1475	1500	& red bed breaks	10
1475	1500	1500	1525	"	10
1500	1525	1525	1550	"	10
1525	1550	1550	1575	"	10
1550	1575	1575	1600	"	10
1575	1600	1600	1625	"	10
1600	1625	1625	1650	"	10
1625	1650	1650	1675	"	10
1650	1675	1675	1700	"	10
1675	1700	1700	1725	"	10
1700	1725	1725	1750	"	10
1725	1750	1750	1775	"	10
1750	1775	1775	1800	"	10
1775	1800	1800	1825	"	10
1800	1825	1825	1850	"	10
1825	1850	1850	1875	"	10
1850	1875	1875	1900	"	10
1875	1900	1900	1925	"	10
1900	1925	1925	1950	"	10
1925	1950	1950	1975	"	10
1950	1975	1975	2000	"	10
1975	2000	2000	2025	"	10
2000	2025	2025	2050	"	10
2025	2050	2050	2075	"	10
2050	2075	2075	2100	"	10
2075	2100	2100	2125	"	10
2100	2125	2125	2150	"	10
2125	2150	2150	2175	"	10
2150	2175	2175	2200	"	10
2175	2200	2200	2225	"	10
2200	2225	2225	2250	"	10
2225	2250	2250	2275	"	10
2250	2275	2275	2300	"	10
2275	2300	2300	2325	"	10
2300	2325	2325	2350	"	10
2325	2350	2350	2375	"	10
2350	2375	2375	2400	"	10
2375	2400	2400	2425	"	10
2400	2425	2425	2450	"	10
2425	2450	2450	2475	"	10
2450	2475	2475	2500	"	10
2475	2500	2500	2525	"	10
2500	2525	2525	2550	"	10
2525	2550	2550	2575	"	10
2550	2575	2575	2600	"	10
2575	2600	2600	2625	"	10
2600	2625	2625	2650	"	10
2625	2650	2650	2675	"	10
2650	2675	2675	2700	"	10
2675	2700	2700	2725	"	10
2700	2725	2725	2750	"	10
2725	2750	2750	2775	"	10
2750	2775	2775	2800	"	10
2775	2800	2800	2825	"	10
2800	2825	2825	2850	"	10
2825	2850	2850	2875	"	10
2850	2875	2875	2900	"	10
2875	2900	2900	2925	"	10
2900	2925	2925	2950	"	10
2925	2950	2950	2975	"	10
2950	2975	2975	3000	"	10
2975	3000	3000	3025	"	10
3000	3025	3025	3050	"	10
3025	3050	3050	3075	"	10
3050	3075	3075	3100	"	10
3075	3100	3100	3125	"	10
3100	3125	3125	3150	"	10
3125	3150	3150	3175	"	10
3150	3175	3175	3200	"	10
3175	3200	3200	3225	"	10
3200	3225	3225	3250	"	10
3225	3250	3250	3275	"	10
3250	3275	3275	3300	"	10
3275	3300	3300	3325	"	10
3300	3325	3325	3350	"	10
3325	3350	3350	3375	"	10
3350	3375	3375	3400	"	10
3375	3400	3400	3425	"	10
3400	3425	3425	3450	"	10
3425	3450	3450	3475	"	10
3450	3475	3475	3500	"	10
3475	3500	3500	3525	"	10
3500	3525	3525	3550	"	10
3525	3550	3550	3575	"	10
3550	3575	3575	3600	"	10
3575	3600	3600	3625	"	10
3600	3625	3625	3650	"	10
3625	3650	3650	3675	"	10
3650	3675	3675	3700	"	10
3675	3700	3700	3725	"	10
3700	3725	3725	3750	"	10
3725	3750	3750	3775	"	10
3750	3775	3775	3800	"	10
3775	3800	3800	3825	"	10
3800	3825	3825	3850	"	10
3825	3850	3850	3875	"	10
3850	3875	3875	3900	"	10
3875	3900	3900	3925	"	10
3900	3925	3925	3950	"	10
3925	3950	3950	3975	"	10
3950	3975	3975	4000	"	10
3975	4000	4000	4025	"	10
4000	4025	4025	4050	"	10
4025	4050	4050	4075	"	10
4050	4075	4075	4100	"	10
4075	4100	4100	4125	"	10
4100	4125	4125	4150	"	10
4125	4150	4150	4175	"	10
4150	4175	4175	4200	"	10
4175	4200	4200	4225	"	10
4200	4225	4225	4250	"	10
4225	4250	4250	4275	"	10
4250	4275	4275	4300	"	10
4275	4300	4300	4325	"	10
4300	4325	4325	4350	"	10
4325	4350	4350	4375	"	10
4350	4375	4375	4400	"	10
4375	4400	4400	4425	"	10
4400	4425	4425	4450	"	10
4425	4450	4450	4475	"	10
4450	4475	4475	4500	"	10
4475	4500	4500	4525	"	10
4500	4525	4525	4550	"	10
4525	4550	4550	4575	"	10
4550	4575	4575	4600	"	10
4575	4600	4600	4625	"	10
4600	4625	4625	4650	"	10
4625	4650	4650	4675	"	10
4650	4675	4675	4700	"	10
4675	4700	4700	4725	"	10
4700	4725	4725	4750	"	10
4725	4750	4750	4775	"	10
4750	4775	4775	4800	"	10
4775	4800	4800	4825	"	10
4800	4825	4825	4850	"	10
4825	4850	4850	4875	"	10
4850	4875	4875	4900	"	10
4875	4900	4900	4925	"	10
4900	4925	4925	4950	"	10
4925	4950	4950	4975	"	10
4950	4975	4975	5000	"	10
4975	5000	5000	5025	"	10
5000	5025	5025	5050	"	10
5025	5050	5050	5075	"	10
5050	5075	5075	5100	"	10
5075	5100	5100	5125	"	10
5100	5125	5125	5150	"	10
5125	5150	5150	5175	"	10
5150	5175	5175	5200	"	10
5175	5200	5200	5225	"	10
5200	5225	5225	5250	"	10
5225	5250	5250	5275	"	10
5250	5275	5275	5300	"	10
5275	5300	5300	5325	"	10
5300	5325	5325	5350	"	10
5325	5350	5350	5375	"	10
5350	5375	5375	5400	"	10
5375	5400	5400	5425	"	10
5400	5425	5425	5450	"	10
5425	5450	5450	5475	"	10
5450	5475	5475	5500	"	10
5475	5500	5500	5525	"	10
5500	5525	5525	5550	"	10
5525	5550	5550	5575	"	10
5550	5575	5575	5600	"	10
5575	5600	5600	5625	"	10
5600	5625	5625	5650	"	10
5625	5650	5650	5675	"	10
5650	5675	5675	5700	"	10
5675	5700	5700	5725	"	10
5700	5725	5725	5750	"	10
5725	5750	5750	5775	"	10
5750	5775	5775	5800	"	10
5775	5800	5800	5825	"	10
5800	5825	5825	5850	"	10
5825	5850	5850	5875	"	10
5850	5875	5875	5900	"	10
5875	5900	5900	5925	"	10
5900	5925	5925	5950	"	10
5925	5950	5950	5975	"	10
5950	5975	5975	6000	"	10
5975	6000	6000	6025	"	10
6000	6025	6025	6050	"	10
6025	6050	6050	6075	"	10
6050	6075	6075	6100	"	10
6075	6100	6100	6125	"	10
6100	6125	6125	6150	"	10
6125	6150	6150	6175	"	10
6150	6175	6175	6200	"	10
6175	6200	6200	6225	"	10
6200	6225	6225	6250	"	10
6225	6250	6250	6275	"	10
6250	6275	6275	6300	"	10
6275	6300	6300	6325	"	10
6300	6325	6325	6350	"	10
6325	6350	6350	6375	"	10
6350	6375	6375	6400	"	10
6375	6400	6400	6425	"	10
6400	6425	6425	6450	"	10
6425	6450	6450	64		