			ينحد يود			BU AI	l expires 12-31	-60.	
o]		17-					<u>Cruces</u>
						LEASE	OR LERMI	10110	B
			1	DEPART	MENT	OF THE	NTERIO	R	
				G	EOLOG	GICAL SURVE	ΞY		
			LO	G OF	OIL	OR G	AS W	/ELL	4
y LE (NARD OTL	COMPANY		Add	ress	P.O. Bas 71	08 - Ros	well,	New Mexico
r Tract ard-Fed									
6	Sec. 14								
e informa	ation given	herewith is	a complet	te and cor	rect rec	cord of the we	and all	work d	one thereon
s can be	determined	from all av	anabie rec Si	gned	4r	n Sty 8	deg	<u>ka</u>	\mathcal{L}
ovember	- 24 - 195	8		-					
				on of the w	vell at a	above date.	C C		
							11-15		, 19 <u>-5</u> 3-
			L OR GA	S SANDS	OR 2				
rom_NO	VE.	to	·	No.	. 4, from	n	to		
rom		to		No	. 5, fro	m	to		
rom2	1 G	to	230	No	. 3, fro	n	to		
rom		to		No	. 4, fro	m	to		
			CAS	ING REC	ORD				
Weight per foot	Threads per inch	Make	Amount	Kind of sh	oe Cut	and pulled from	Perfor From—	ated To—	Purpose
per foot	inch						From-		
Weight per foot	inch	Make				and pulled from	From-		Purpose
per foot	inch						From-		
per foot	inch						From-		
per foot	inch		- 265 !				From-		
per foot	inch		- 265 !				From—	T 0-	Surface
per foot	inch		- 2651		J. TING		From—		Surface
per foot	et Nu	MUDE	DING AN	D CEMEN Method use	TING	RECORD	From-	T 0-	Surface
per foot	et Nu	MUDE mber sacks of ce	DING AN	D CEMEN Method use	TING	RECORD Mud gravity	From-	T 0-	Surface
per foot	et Nu	MUDE mber sacks of ce	DING AN	D CEMEN Method us	vTING	RECORD Mud gravity		T 0-	Surface
where s	et Nu	MUDE mber sacks of ce	PLUGS	D CEMEN Method use Hallibur AND AD	NTING ed ton	RECORD Mud gravity	From-	To-	nud used
9er foot 24# Where s 	et Nu Material	MUDE mber sacks of ce	PLUGS	D CEMEN Method us Hellibur AND AD Length	iting ed ton	RECORD Mud gravity RS	From-	To-	Surface
9er foot 24# Where s 	et Nu Material	MUDE mber sacks of ce	PLUGS	D CEMEN Method us Hellibur AND AD Length Size	vTING ed ton	RECORD Mud gravity RS	From-	To-	Surface
wheres g plug— rs—Mat	et Nu Material	MUDE mber sacks of ce	PLUGS	D CEMEN Method us Hellibur AND AD Length	vTING ed ton	RECORD Mud gravity RS	From-	To-	nud used
	yLEC r Tract ard-Fed 	yLEQNARD OIL r Tract ard-Federal 	r Tract ard-Federal Sec. 14 T26SR. h560. ft. [S.] of M Line ar e information given herewith is s can be determined from all av ovember _24,1958 e summary on this page is for t need drilling1-4 or nomtoto romtoto I romtoto	LOO TE WELL CORRECTLY yLEONARD_OIL_COMPANY r Tract ard-Federal f	DEPART. DEPART. G DEPART.	DEPARTMENT GEOLOG DEPARTMENT HOME DEPARTMENT GEOLOG DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT HOME DEPARTMENT H H H H H H H H H H H H H	LEASE UNITED STATES DEPARTMENT OF THE I GEOLOGICAL SURVE GEOLOGICAL SURVE JULIONARD OTL COMPANY Address P.O. Burn Tract Field Leonard Burn Address P.O. Burn Tract Field Sco. 14. T. 26SR. 37E Meridian N.M.P.M. Count Sco. 14. T. 26SR. 37E Meridian Ne. 3 from Signed Ovember 24, 1958 Count No. 4, from Non 3, from </td <td>LEASE OF PERMIT UNITED STATES DEPARTMENT OF THE INTERIO GEOLOGICAL SURVEY LEONARD OIL COMPANY Address P.O. Bue 708 Rose TT WELL CORRECTLY Y LEONARD OIL COMPANY Address F.O. Bue 708 Rose T Tract Field Leonard Sci. 14 T. 26SR. 37E Meridian N.M.P.M. County Address P.O. Bue 708 Rose Tract Field Leonard Sci. 14 T. 26SR. 37E Meridian N.M.P.M. County Scien be determined from all available records. Signed Ovember 241958 TitleTimothy T4 P summary on this page is for the condition of the well at above date. Inced drilling 11-15 OIL OR GAS SANDS OR ZONES (Denote gas by 6) From No. 4, from To Important Watter SaNDS To 230<td>DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY DIEDMARD OIL COMPANY Address P.Q. Bus 708 = Roswell, r Tract Field ac 660. ft. [S.] of M. of M. Die and 1980ft. [W.] of Scan be determined from all available records. Signed covember 24, 1958 Title Timothy. T, Leonard ovember 24, 1958 Title Timothy. T, Leonard OIL OR GAS SANDS OR ZONES (Denote gas by 6) rom No. 4, from to rom No. 5, from to rom No. 3, from to</td></td>	LEASE OF PERMIT UNITED STATES DEPARTMENT OF THE INTERIO GEOLOGICAL SURVEY LEONARD OIL COMPANY Address P.O. Bue 708 Rose TT WELL CORRECTLY Y LEONARD OIL COMPANY Address F.O. Bue 708 Rose T Tract Field Leonard Sci. 14 T. 26SR. 37E Meridian N.M.P.M. County Address P.O. Bue 708 Rose Tract Field Leonard Sci. 14 T. 26SR. 37E Meridian N.M.P.M. County Scien be determined from all available records. Signed Ovember 241958 TitleTimothy T4 P summary on this page is for the condition of the well at above date. Inced drilling 11-15 OIL OR GAS SANDS OR ZONES (Denote gas by 6) From No. 4, from To Important Watter SaNDS To 230 <td>DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY DIEDMARD OIL COMPANY Address P.Q. Bus 708 = Roswell, r Tract Field ac 660. ft. [S.] of M. of M. Die and 1980ft. [W.] of Scan be determined from all available records. Signed covember 24, 1958 Title Timothy. T, Leonard ovember 24, 1958 Title Timothy. T, Leonard OIL OR GAS SANDS OR ZONES (Denote gas by 6) rom No. 4, from to rom No. 5, from to rom No. 3, from to</td>	DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY DIEDMARD OIL COMPANY Address P.Q. Bus 708 = Roswell, r Tract Field ac 660. ft. [S.] of M. of M. Die and 1980ft. [W.] of Scan be determined from all available records. Signed covember 24, 1958 Title Timothy. T, Leonard ovember 24, 1958 Title Timothy. T, Leonard OIL OR GAS SANDS OR ZONES (Denote gas by 6) rom No. 4, from to rom No. 5, from to rom No. 3, from to

FOLD MARK

TOOLS USED

Rotary tools were used from feet to	-3453 feet, and from	feet to feet
Cable tools were used from feet to	feet, and from	feet to feet
DA	ATES	
, 19	Put to producing	, 19
The production for the first 24 hours was Nor	ne barrels of fluid of which	% was oil;%
If gas well, cu. ft. per 24 hours	Gallons gasoline per 1,000 cu. ft	. of gas
Rock pressure, lbs. per sq. in.		
	LOYEES	
J.R. Rodrick, Driller	C.B. Diggs	, Drille r
G.M. Brice, Driller		, Driller

4	.K.	Rodrick	Dril	ler

FORMATION RECORD

FROM-	IOM- TO- TOTAL FEET			FORMATION			
0	160	160	Sand & caleche	TOPS:			
160	265	105	Red Bee	T/Russler	952		
265	370	105	Anhy	T/ Salt	1110		
370	707	337	Anhy	Base/Salt	2450		
707	890	183	Red bed & anhy	T/Yates	2600		
890	1065	175	Anhy	T/Queen	3390		
1065	129 6	231	Anhy	.,			
1296	1645	349	Anhy				
1645	1.955	310	Anhy				
1955	2190	235	Anhy				
2190	2435	245	Anhy				
2435	2543	108	Anhy				
2543	260€	63	Anhy				
260 6	2726	120	Anhy & gyp				
2726	2890	164	Anhy & gyp				
2890	3075	185	Anhy & Lime				
3075	3136	61	Sandy lime & anhy				
3136	3274	138	Anhy & lime				
3274	3305	91	Lime & anhy				
3365	3392	27	Lime				
3392	34,34	42	Lime				
3434	3453	19	TD				
			(OVER)		16-43094-4		

FORMATION RECORD—Continued

FROM—	то-	TOTAL FEET	FORMATION	
				· · · · · · · · · · · · · · · · · · ·
		. •	and a start of the	
				i.
		ta sa	an a	
			• •	
1				
	$= \frac{1}{2} \left[\frac{1}{2}$	(1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2		
		1 - 19 A.S. 1	$W_{\rm eff} = W_{\rm eff} + \frac{1}{2} g e^{-2\pi i t}$	
nt fra de la	$(x_1,x_2) \in \mathcal{F}_{\mathcal{F}}_{\mathcal{F}_{\mathcal{F}}}}}}}}}}$	ar a c		
a de la companya de l La companya de la comp	at en la servició de la plana			
· · · ·	· · · · · · · · · · · · · · · · · · ·		••••••••••••••••••••••••••••••••••••••	
: 4	- Januar Altana (199			
	ja senti nava Se sent	n an		
$\Phi^{(n)} = \{0, \dots, n\}$				
and the second				
		2 	•	

HISTORY OF OIL OR GAS WELL

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 "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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Control (1982) - Con

> nan 1980 - Andrea State 1980 - Andrea State (1990) 1980 - Andrea State (1990)

and a second s