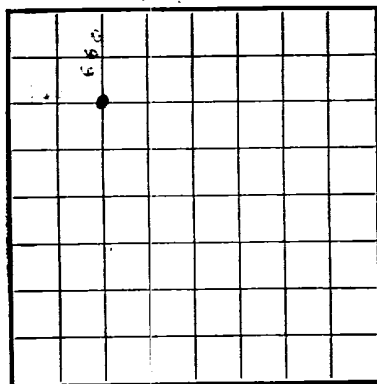


U. S. LAND OFFICE L.C.
SERIAL NUMBER 068378
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
MAY 18 1959U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company HILL & MEEKER Address 140 Central Bldg., Midland, Tex.
Lessor or Tract _____ Field Wildcat State New Mexico
Well No. 1 Sec. 13 T. 26S R. 33E Meridian _____ County Lea
Location 660 ft. N. of N. Line and 660 ft. E. of W. Line of Sec. 13, T26S, R33E Variation 3346 DF
(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 _____
Date May 15, 1959 Title Prod. Supt.

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

Commenced drilling May 5, 1959, 19 _____ Finished drilling May 15,, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
<u>8 5/8</u>	<u>24#</u>	<u>8</u>	<u>L.S.</u>	<u>329'</u>	<u>Larkin</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>342'</u>	<u>150 sbs</u>	<u>Pump & Plug</u>		

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

TOOLS USED

Rotary tools were used from 0 feet to 5282 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 _____ barrels of fluid of which _____% 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

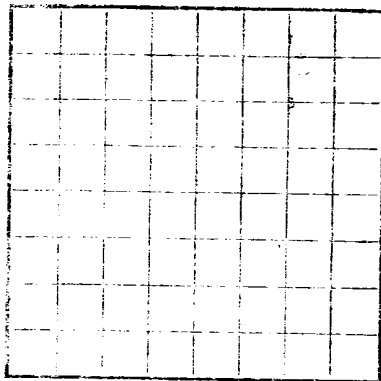
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>80</u>	<u>80</u>	<u>Surface Sand & Caliche</u>
<u>80</u>	<u>870</u>	<u>790</u>	<u>Red sand & Shale</u>
<u>870</u>	<u>1220</u>	<u>350</u>	<u>Anhydrite, Dolomite, shale & Rustler</u>
<u>1220</u>	<u>3410</u>	<u>2190</u>	<u>Anhydrite, Salt & Salado</u>
<u>3410</u>	<u>3665</u>	<u>255</u>	<u>Anhydrite</u>
<u>3665</u>	<u>2735</u>	<u>70</u>	<u>Salt</u>
<u>3735</u>	<u>3795</u>	<u>60</u>	<u>Anhydrite</u>
<u>3795</u>	<u>4145</u>	<u>350</u>	<u>Salt</u>
<u>4145</u>	<u>4315</u>	<u>170</u>	<u>Anhydrite & Salt</u>
<u>4315</u>	<u>4665</u>	<u>350</u>	<u>Anhydrite</u>
<u>4665</u>	<u>4730</u>	<u>65</u>	<u>Salt</u>
<u>4730</u>	<u>4830</u>	<u>100</u>	<u>Anhydrite</u>
<u>4830</u>	<u>4925</u>	<u>95</u>	<u>Salt</u>
<u>4925</u>	<u>5170</u>	<u>245</u>	<u>Anhydrite</u>
<u>5170</u>	<u>5196</u>	<u>26</u>	<u>Black shale & Lamar</u>
<u>5196</u>	<u>5282</u>	<u>86</u>	<u>Sand, Delaware Sand</u>

[OVER]

LOGS FOR RECORD—COMPILED



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

MAY 18 1939

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C.
06878

Company _____
Lessor or Trust _____
Well No. _____
Location _____
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 _____
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

(Name of zone)
No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMMEDIATE WATER SANDS

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

CASING RECORD

Casing size	Weight per foot	Thickness per foot	Material	Length of string	Depth of string from surface

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.

HISTORY OF OIL OR GAS WELL

Size casing	Weight per foot	Material	Length of string	Depth of string from surface
2 1/2"				

TOOLS AND APPLIANCES

Size	Weight per foot	Material	Length of string	Depth of string from surface

SHOOTING RECORD

Size	Weight per foot	Material	Length of string	Depth of string from surface

TOOLS USED

Rotary tools were used from _____ to _____
Cable tools were used from _____ to _____

DATES

The production for the first 24 hours was _____
emulsion; _____% water; and _____% sand and gravel.
If gas well, state percentage of gas in the production.
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FROM-	TO-	TOTAL FEET
0	10	10
10	20	20
20	30	30
30	40	40
40	50	50
50	60	60
60	70	70
70	80	80
80	90	90
90	100	100
100	110	110
110	120	120
120	130	130
130	140	140
140	150	150
150	160	160
160	170	170
170	180	180
180	190	190
190	200	200
200	210	210
210	220	220
220	230	230
230	240	240
240	250	250
250	260	260
260	270	270
270	280	280
280	290	290
290	300	300
300	310	310
310	320	320
320	330	330
330	340	340
340	350	350
350	360	360
360	370	370
370	380	380
380	390	390
390	400	400
400	410	410
410	420	420
420	430	430
430	440	440
440	450	450
450	460	460
460	470	470
470	480	480
480	490	490
490	500	500
500	510	510
510	520	520
520	530	530
530	540	540
540	550	550
550	560	560
560	570	570
570	580	580
580	590	590
590	600	600
600	610	610
610	620	620
620	630	630
630	640	640
640	650	650
650	660	660
660	670	670
670	680	680
680	690	690
690	700	700
700	710	710
710	720	720
720	730	730
730	740	740
740	750	750
750	760	760
760	770	770
770	780	780
780	790	790
790	800	800
800	810	810
810	820	820
820	830	830
830	840	840
840	850	850
850	860	860
860	870	870
870	880	880
880	890	890
890	900	900
900	910	910
910	920	920
920	930	930
930	940	940
940	950	950
950	960	960
960	970	970
970	980	980
980	990	990
990	1000	1000

HILL & MEEKER

OIL OPERATORS
140 CENTRAL BUILDING
MIDLAND, TEXAS

SUPPLEMENTAL WELL LOG

HALL FEDERAL #1 - NE/4 NE/4, Section 13-26S-33E,
Lea County, New Mexico, Lease
Las Cruces 068378

May 14, 1959 - Core #1 - 5210' to 5221', Recovered 11':
5210.5' to 5216' Some shows &
Fluorescence
5216' to 5221', no shows, no
analysis.

Core #2 - 5221' to 5245', Recovered 24',
no coring breaks and no shows,
not analyzed.

Core #3 - 5245' to 5282', Recovered 37',
no shows and not analyzed.

GEOLOGICAL TOPS:

Red Beds	80
Rustler	870
Salado	1220
Castile	3410
Lamar (Black Shale)	5170
Delaware Sand	5196