

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

505 First National Bank Building,
Midland, Texas

Company J. Paul Karcher Address 505 First National Bank Building, Midland, Texas
 Lessor or Tract Low Federal Field Wildcat State New Mexico
 Well No. 1 Sec. 19 T. 26S R. 38E Meridian _____ County Lea
 Location 660 ft. ^[N.] of S. Line and 660 ft. ^[E.] of W. Line of Section 19 Elevation 3000'
(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. Paul Karcher Title Geologist

Date March 16, 1960

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

Commenced drilling February 26, 1960. Finished drilling March 9, 1960.

OIL OR GAS SANDS OR ZONES - NONE

(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 - NONE

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#			280	Bucket				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	280	175	Circulate		

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 surface feet to 3776 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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

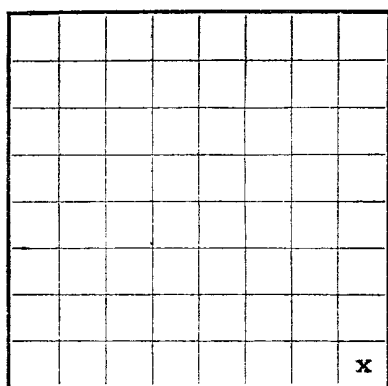
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	305	305	Red beds and sand.
305	620	315	Anhydrite and red beds.
620	1092	472	Sand and red shale.
1092	2570	1478	Anhydrite and salt.
2570	2730	160	Anhydrite and dolomite.
2730	3708	978	Sand, dolomite and anhydrite.
3708	3776 TD	68	Sand and dolomite.

ELECTRICAL LOG TOPS

Rustler Anhydrite	1092' (+1908)	Cored 3088-3112'. Rec. 24' as follows: 3088-92' - dolomite & anhydrite 3092-3100 - sand 3100-12' - dolomite, anhydrite & shale.
Salado Salt	1333' (+1667)	
B/Salt, Top Tansill	2570' (+ 430)	
Yates Sand	2728' (+ 272)	
Seven Rivers	3106' (- 106)	DST 3200-3254'. Open 30 mins. Weak blow 19 mins. & died. Rec. 5' drlg. mud. N/S. FP 23-23#, 40" SIP 35#.
Queen Sand	3708' (- 708)	

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



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Company J. Paul Karcher Address Midland, Texas
Lessor or Tract Lowe Federal Field Wildcat State New Mexico
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CASING RECORD

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							From-	To-	
8-5/8	24	28	_____	_____	_____	_____	_____	_____	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	280	175	Circulate	_____	_____

PLUGS AND ADAPTERS

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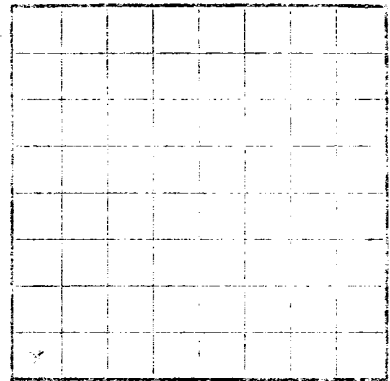
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Company: ...
Address: ...
Field: ...
County: ...
Section: ...
Twp. & Range: ...
Location: ...
The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

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: ...
New Mexico regulations: ...
Ten feet (10') of 4" pipe cemented in surface pipe, with 4' of same above ground with name plate attached thereto, in accordance with ...
2:45 A.M. 3/10/60.
25 sacks from 376 to 355; 10 sacks from 312-286 and 10 sacks from 376 to 355; 10 sacks from 312-286.

At total depth of 376', the following cement plugs were used to plug and abandon:
Casing Record:
No. 1 from ...
No. 2 from ...
No. 3 from ...
No. 4 from ...

HISTORY OF OIL OR GAS WELL

Table with columns: Date, Description, Remarks. Includes notes on casing history and cementing operations.

MUDGING AND CEMENTING RECORD

Table with columns: Date, Kind of mud, Amount of mud used, Method used. Includes entries for mud used during drilling.

PLUGS AND ADAPTERS

Table with columns: Date, Description, Depth set. Includes details on plug setting and adapter use.

SHOOTING RECORD

Table with columns: Date, Quantity, Depth shot, Depth down out. Includes data on well stimulation operations.

TOOLS USED

Table with columns: Date, Description, Quantity. Lists tools used during the well's operation.

DATES

Table with columns: Date, Description. Records key dates in the well's history.

EMPLOYEES

Table with columns: Name, Position, Rate. Lists personnel involved in the well's operation.

FORMATION RECORD

Table with columns: From, To, Total Feet, Formation. Summarizes the geological formations encountered.

FRAME CLIP