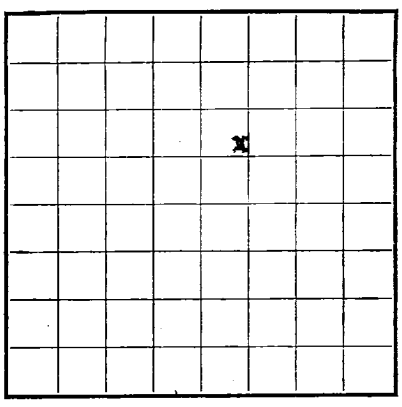
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Artesia
SERIAL NUMBER NM 0338A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Box 352, Midland, Texas

Lessor or Tract Peery Federal Field Undesignated Wildcat State New Mexico

Well No. 1 Sec. 29 T. 15-S R. 30-E Meridian NMPM County Chaves

Location 1980 ft. {N./S.} of S Line and 1980 ft. {E./W.} of E Line of Sec. 29 Elevation 3960'
(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. M. Williams Jr.

Date October 14, 1958 Title Asst. Dist. Supt.

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

Commenced drilling May 29, 19 58 Finished drilling September 28, 19 58

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 12,068 (G) to 12,196 (G) No. 4, from ____ to ____

No. 2, from 11,050'(60) to 11,134 (O) No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

Drilled with Rotary Tools and no water sands tested.

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 From—	Perforated To—	Purpose
13 3/8"	48#	8R	Smls	450'	Howco		11,050	11,134	Production
9 5/8"	36#	8R	J-55	2928'	Howco		12,068	12,196	Production
5 1/2"	17 & 20#	8R	N-80	12283'	Howco				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	446'	450	Howco		
9 5/8	2942'	1200	Howco		
5 1/2	12296	1325	Howco		

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 12,296 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

October 12, 19 58 Put to producing October 12, 19 58

The production for the first 24 hours was 1353 barrels of fluid of which 99.5 % was oil; 0.5 % emulsion; ---% water; and ---% sediment. Gravity, °Bé. 55

If gas well, cu. ft. per 24 hours 1,326,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

A.A. Ferguson, Driller ____, Driller

S.A. Spurlock, Driller H.F. Barfield, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	270	270	Red Bed
270	437	167	Red Bed & Shells
437	555	118	Anhy
555	1376	821	Salt, Potash, Anhy
1376	1545	169	Salt, Sand, Anhy
1545	2197	652	Anhy
2197	2611	414	Anhy, Sand
2611	2729	118	Anhy, Sand, Lime
2729	2873	144	Anhy, Lime
2873	2906	33	Lime
2906	2942	36	Anhy, Lime
2942	6120	3178	Lime
6120	6178	58	Lime & Shale
6178	6217	39	Lime
6217	6903	386	Lime & Shale
6903	8125	1222	Lime
8125	8590	465	Lime & Shale
8590	8768	178	Lime
8768	8951	183	Lime & Shale
8951	9276	325	Lime
9276	9293	17	Lime & Chert
9293	9834	541	Lime
9834	9917	83	Lime & Shale
9917	10085	168	Lime
10085	10177	92	Lime & Shale
10177	10296	119	Lime
10296	10315	19	Lime & Chert

[OVER]

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FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
10315	10517	202	Lime & Shale
10517	10607	90	Lime
10607	10619	12	Lime & Chert
10619	10667	48	Lime
10667	10966	299	Lime & Chert
10966	11196	230	Lime
11196	11739	543	Lime & Chert
11739	11971	232	Lime
11971	11997	26	Lime & Shale
11997	12298	301	Lime
TOTAL DEPTH	12298'		
PLUG BACK	12293'		

All measurements from rotary table or 12' aboveground level.

Core #1	2197-2240	Rec 43'	Anhy
Core #2	4853-4909	Rec 56'	Anhy & Dolo
Core #3	8610-8622	Rec 12'	Lime
Core #4	11039-11060	Rec 21'	Dolo
Core #5	11060-11065	Rec 5'	Lime
Core #6	11065-11110	Rec 45'	Dolo
Core #7	11110-11130	Rec 20'	Dolo
Core #8	11130-11170	Rec 40'	Dolo
Core #9	11170-11179	Rec 9'	Dolo
Core #10	11179-11194.5	Rec 15.5'	Sh & Dolo
Core #11	12180-12199	100% rec	Dolo
Core #12	12210-12230	Rec 20'-	100% Dolo

For record of DST, please see attached.

TOPS OF FORMATION

Anhy	440'
Salt	1400'
Yates	1644'
San Andres	2897'
Glorieta	4350'
Tubb	5650'
Abo	6424'
Wolfcamp	7740'
Mississipian	10215'
Devonian	10992'
Montoya	11700'
Simpson	11897'
Ellenburger	11970'

DEVIATION RECORD

468'	1/2°
690'	1/4°
906'	3/4°
1145'	1 3/4°
1265'	1 1/2°
1412'	3/4°
1507'	1 1/2°
1571'	1 1/2°
1665'	3/4°
2197'	1/2°
2344'	1 1/2°
2852'	1/4°
2942'	1/2°
3172'	3/4°
3488'	1°
3669'	1/2°
3833'	3/4°
5136'	1/2°
6043'	1/4°
6800'	3/4°
7085'	1 1/4°
8287'	3/4°
9245'	1 1/4°
9512'	2°
10825'	2 1/4°
11322'	1 1/4°
11370'	3/4°
11912'	1 1/4°
12058'	1°
12298'	1°

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

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.

Perry Federal #1

This well was drilled to a total depth of 12,298' and plugged back to 12,293'. 5 1/2" O.D. Casing was set at 12,298' with 615 Sx. 15# gel, circulated out 25 Sx. Complete 1:30 A.M. October 7, 1958. Circulate 6 hours. Cement 2nd stage with 300 Sx. 45 gel. Top of cement 7,305', ran temperature survey. Complete 9:45 A.M. October 2, 1958. PBTD 12,293'. Tested cement plug with 1500 lb. for 30 minutes. Tested O.K. Drilled out cement plug to 12,293'. Ran Dr. Tbg in log and jet perf rate 5 1/2" casing from 12,068' to 12,106' with 4 jet shots per foot. Job complete 8:45 P.M. October 5, 1958. Ran 12,017' 2" Tubing with packer set in 5 1/2" casing at 12,017', acidized 5 1/2" casing perf. with 500 gals regular 15% acid down 2" Tubing 4500/6000 lb. casing 1100 injection rate .9 BPM. Complete 2:45 P.M. October 6, 1958. Swabbed 3 runs. Flowed 25 BO & 2 BW. Tested 24 hrs. Gas Volume 505,200 cu.ft.per day. Acidized 2nd stage with 1000 gal 15% regular acid down 2" tubing 5000/5900 lb. packer 1500 lb. injection rate 1.2 BPM complete 5:00 A.M. October 6, 1958.
Swb 4 hrs flowed 12 bbls. Distl. 1,066,000 cu.ft. gas per day, 1" choke, TP-150 lb. on 24 hour test flowed 40 bbls. distl. gas volume 1,066,000 cu.ft. per day. Distl Gravity 57. Treated well with 55 gals control flow mixed with 450 gals.crude oil followed with 3000 gals 15% LST Non-emulsion acid. Max TP-4200 lb. Min TP-2,700 lb. CP-2000 lb. Injection rate 3.5 BPM. Made 3 swab runs. Well kicked off on 15 hr test and averages 2 bbls Distl. per hr. gas volume 1,096,000 cu ft.per day thru 1" choke. Killed well with mud. Pulled tubing. Jet perforate 5 1/2" casing from 11,050' to 11,134' with 4 jet shots per foot. Ran and set Baker Model "D" Production packer at 11,953' Ran 2" Tubing with Packer set in 5 1/2" casing at 10,863'. Wash casing perforations with 1000 gals. Regular 15% acid down 2" tubing 1500/2500 5 min SI-650#, Injection rate 3.1 BPM. Complete 1:25 A.M. Oct. 11, 1958. Pulled swab 3 times, recovered 43 BO & 24 BW,

On 24 hour PT ending 7:00 A.M. October 12, 1958, flowed 1,053 BO from (Devonian), Gas Volume 1,202,526 cu.ft. per day 11032-11112, thru 34/64" choke. TP-800# Casing psr, Gravity 56. Top of Pay 11,050', Btm Hay-11,134'.

Pulled 2" tubing and ran 2 1/16" tubing for Ellenburger formation to dual complete. Ran (Ellenburger tubing) 2 1/16', 11,932' tubing with 92' tail pipe set at 12,053', production packer set at 11,950'. Ran (Devonian tubing) 2 1/16', 11029' Tubing set at 11,047'.