

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **062368**
LEASE OR PERMIT TO PROSPECT _____

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Texas Company** Address **Houston, Texas**
Lessor or Tract **C. E. Penny** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **5** T. **25-S** R. **38-E** Meridian **-** County **Lea**
Location **1980** ft. {N.} of **S** Line and **660** ft. {E.} of **E** Line of **Section 5** Elevation **3148**
(Derriek 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.

Date **May 13, 1952** Signed **J. H. Morris** Title **District Superintendent**

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

Commenced drilling **November 15**, 19**51** Finished drilling **April 6**, 19**52**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **-** **8175** to **8390** 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—	
13 3/8	48#	8R	Sals	305	Hallib	-	-	-	-
9 5/8	36#	8R	Sals	3336	Hallib	-	-	-	-
5 1/2	17#	8R	Sals	8472	Hallib	-	8175	8390	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	320	300	Hal lib	-	-
9 5/8	3348	2100	Hallib	-	-
5 1/2	8484	485	Hallib	-	-

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
15 #	Western	Acid	500gal	3-24-52	8380 -	8390
15 #	Western	Acid	4000gal	3-29-52	8335 -	8370
15 #	Western	Acid	6000gal	3-29-52	8175 -	8295

TOOLS USED

Rotary tools were used from **0** feet to **9405** feet, and from **-** feet to **-** feet
Cable tools were used from **-** feet to **-** feet, and from **-** feet to **-** feet

DATES

May 13, 19**52** Put to producing **April 9**, 19**52**

The production for the first **12** hours was **315** barrels of fluid of which **97** % was oil; **3** % emulsion; **-** % water; and **-** % sediment. Gravity, °Bé. **38.1**

If gas well, cu. ft. per 24 hours **-** Gallons gasoline per 1,000 cu. ft. of gas **-**

Rock pressure, lbs. per sq. in. **-**

EMPLOYEES

H. R. Roden, Driller **A. T. Chance**, Driller
J. H. Morris, Driller **-**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	325	325	Red Bed
325	1188	863	Red Bed & Shale
1188	1445	257	Anhy. Shale, and Salt
1445	2189	744	Anhy and Salt
2189	2546	357	Anhy Salt and Gyp
2546	2927	381	Anhy and Gyp
2927	3511	584	Anhy and Lime
3511	5882	2371	Lime
5882	6159	277	Lime and Dolomite
6159	7354	1195	Lime
7354	7500	146	Lime and Shale
7500	7701	201	Lime
7701	8179	478	Lime and Shale
8179	8247	68	Lime and Chert
8247	8500	253	Lime and Chert
8500	8713	213	Lime
8713	8733	20	Lime and Shale
8733	9381	648	Lime
9381	9405	24	Lime and Chert
	9405		Total Depth
	8413		Plug Back Total Depth

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
DRILL STEM TESTS			
DST #1	3050	3300	Tool open 1 hr and 37 min Recovered 400' Drilling Mud
DST #2	3690	3876	Packer Failed
DST #3	3659	3867	Tool open 50 min Recovered 550' Drlg Mud
DST #4	6240	6380	Tool open 4 hrs Rec 210' Slightly oil & gas cut mud & 180' heavy
DST #5	6380	6500	Tool open 45 min Rec 140' Drlg Mud
DST #6	6499	6589	Tool open 40 min Rec 100' Drlg Mud
DST #7	6590	6650	Tool open 4 hrs 10 min Rec 210' oil and gas cut mud
DST #8	6650	6851	Tool open 4 hrs Rec 180' oil & gas cut mud 880' gas cut mud and 121' gas cut salt water
DST #9	6850	7060	Tool open 2 hrs Rec 450 oil & gas cut mud and 90' gas cut salt wtr
DST #10	7460	7550	Tool open 4 hrs Rec 360' oil and gas cut salt water and 3000' gas cut slt wtr
DST #11	8177	8199	Tool open 4 hrs Rec 60' oil and gas cut mud & 153' of free oil
DST #12	8198	8230	Tool open 4 hrs Rec 125' oil and gas cut mud
DST #13	8223	8230	Rec 15 clean oil 38.6 Grav and 135'
DST #14	8227	8415	Oil and gas cut mud Tool open 4 hrs Rec 530' oil and gas cut mud and 1000' Free oil 38.3 Grav
DST #15	9150	9265	Tool open 1 hr and 37 min Rec 1080' wtr blanket and 100' Drlg mud
DST #16	9260	9335	Tool open 1 hr Rec 1080' wtr blanket and 140' Drlg mud
DST #17	9328	9405	Tool open 3 hrs & 10 min Rec 1080' wtr blanket 60' Drlg mud & 310' Sulphur water

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.

Well was drilled to total depth of 9405 with rotary rig. On 3-19-52 plugged back to 8415 with total of 110 sacks. Cement drilled out to 8485. On 3-24-52 perforated 5 1/2" casing 8380 - 8390 w/4 jet shots per ft. Acidized 8380 - 8390 on 3-26-52 w/500 gals Western acid. Swbd 26.25 BF cut 40% acid residue and drilling mud. Well swabbed down. On 3-27-52 perforated 5 1/2" casing 8335 - 8370, 8245 - 8295 and 8175 - 8230. Swabbed tubing for 8 hrs at the rate of 2.75 BOPH. cut 3% acid residue. On 3-29-52 acidized w/4000 gals at 8335 - 8370 and w/6000 gals at 8175 - 8295 by Western. On potential test ending 4-9-52 well flowed 314 bbls fluid, 97% oil, grav. 38.1 @ 60 degrees and 3% BS&W thru 24/64" choke in 12 hrs. The GOR was 1312. The top of pay 8167.

OIL OR GAS SANDS OR ZONES

Continued drilling to total depth of 9405. Entered casing to 8415. The summary on this page is for the condition of the well at above date.

As far as can be determined from all available records.

The following is given as a complete and correct record of the well and all work done thereon from the date of completion to the date of this report.

FOOTAGE WELL CORRECTED

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

PLEASE RETURN TO BUREAU OF
MINERAL RESOURCES
WASHINGTON, D. C.
20540



OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED

REQUEST FOR (OIL)-(GAS) ALLOWABLE

APR 12 1952

It is necessary that this form be submitted by the operator before an initial allowable will be assigned to any completed oil or gas well. Form C-110 (Certificate of Compliance and Authorization to Transport Oil) will not be approved until Form C-104 is filed with the Commission. Form C-104 is to be submitted in triplicate to the office to which Form C-101 was sent. Two copies will be retained there and the other submitted to the Proration Office, Hobbs, New Mexico. The allowable will be assigned effective 7:00 a.m. on date of completion, provided completion report is filed during month of completion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 P.B. at 60° Fahrenheit.

Midland, Texas Place April 9, 1952 Date

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

The Texas Company C.E. Penny Well No. 1 in NE 1/4 SE 1/4 section 5, T. 25-S, R. 38-E, N.M.P.M. Wildcat Pool Lea County

Please indicate location: Elevation 3148 (DF) Spudded 11-15-51 Completed 4-6-52

			X

Total Depth 8485 P.B. 8413

Top Oil/Gas Pay 8167 Top Water Pay

Initial Production Test: Pump Flow 615.10 (BOPD OR CU. FT. GAS PER DAY)

Based on 305.55 bbls. Oil in 12 Hrs. - Mins.

Method of Test (Pitot, gauge, prover, meter run): Gauge

Size of choke in inches 24/65"

Tubing (Size) 2" FUE @ 8412 Feet

Pressures: Tubing 900# Casing 400#

Gas/Oil Ratio 1312 Gravity 38.1

Casing Perforations:

8380-8390; 8335-8370; 8245-8295; 8230-8175

Unit letter: I

Casing & Cementing Record

Size	Feet	Sax
13 3/8	305	300
9 5/8	3336	2100
5 1/2	8472	485

Acid Record:

500 Gals 8380 to 8390
4000 Gals 8335 to 8370
6000 Gals 8175 to 8295

Show of Oil, Gas and water

Shooting Record.

Qts to
Qts to
Qts to

S/
S/
S/
S/
S/
S/

Natural Production Test: None Pumping Flowing

Test after acid or shot: Pumping 305.55 in 12 hrs.

Please indicate below Formation Tops (in conformance with geographical section of state):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy See Log	T. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Cliff House
T. Queen	T. Ellenburger	T. Venefee
T. Grayburg	T. Gr. Wash	T. Point Lookout
T. San Andres	T. Granite	T. Mancos
T. Glorieta	T.	T. Dakota
T. Drinkard	T.	T. Morrison
T. Tubbs	T.	T. Penn
T. Abo	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

Date first oil run to tanks or gas to pipe line: April 1, 1952

Pipe line taking oil or gas: The Texas-New Mexico Pipe Line

Remarks: Eastman Directional Well Survey Attached.

The Texas Company

Company or Operator

By: J. H. Crew

Signature

Position: District Superintendent

Send communications regarding well to:

Name: The Texas Company

Address: Box 1270, Midland, Texas

APPROVED

4 - 17, 1952

OIL CONSERVATION COMMISSION

By: NOG Yankrough

Title: Oil & Gas Inspector