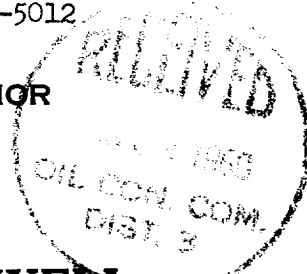


U. S. LAND OFFICE Navajo Tribe of
Indians, Window Rock, Arizona
SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT -----
14-20-603-5012

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company TEXAS PACIFIC COAL AND OIL COMPANY Address P.O.Box 2110, Fort Worth 1, Texas
Lessor or Tract Navajo Tribal "B" Field Wildcat State New Mexico
Well No. 1 Sec. 28 T. 32N R. 17W Meridian _____ County San Juan
Location 1910 ft. S of N. Line and 1890 ft. E of W. Line of Sec. 28 Elevation 6028
(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 August 9, 1960 Title Manager of Production

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

Commenced drilling June 3, 1960 Finished drilling August 6, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
18-19 7/8	If blank or plugged wells are drilled in the well take the size and location of the casing and the location of the plug and the diameter of the hole.	Blank	1-3/4"	1-3/4"	Blank	Please state in detail the date of requiring logs.	Blank	Intermediate	
HISTORY OF OIL OR GAS WELL									
						JO—42004-3	N° COALFIELD	SHILLING CHANCE	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	524	450	Pump		Circulated
9 5/8	4301	1250	Pump		Circulated

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 9336 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing ----- DRY HOLE -----, 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	520	520	Sand & Shale
520	824	304	Shale
824	1230	406	Sand & Shale
1230	1737	507	Shale
1737	1980	243	Shale
1980	2007	27	Shale & Sand
2007	2037	30	Shale
2037	2412	375	Sand & Shale
2412	3736	1324	Shale & Sand
3736	4088	352	Shale & Sand
4088	4548	460	Sand & Shale
4548	4653	105	Sand
4653	6047	1392	Sand & Shale
6047	6080	33	Sand & Shale
6080	6204	124	Shale, Sand & Chert
6204	6577	373	Shale & Sand
6577	6744	167	Shale
6744	6868	124	Shale & Sand
6868	6907	39	Shale
6907	8018	1111	Shale & Lime
8018	8034	16	Lime
8034	8144	110	Lime & Shale
8144	8171	27	Lime & Anhy
8171	8295	124	Lime
			Top Gallup 1730
			Top Morrison 2407
			Top Entrada 3396
			Top Wingate 3889
			Top Chino 3997
			Top Shinarump 4960
			Top Isma 7796
			Top Pinkerton Trail or Barkers Creek 8300

[OVER]

LOKATION RECORD--Continued

16-48094-4

74-60-603-9018
Please see Permit to Prospect

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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.

Signed _____

Well No. _____ Sec. 28 T. 32N. R. 12E. Meridian _____
Lessor or Trust _____
Location 210 ft. of N. line and 1800 ft. _____
Elevation _____
County _____ State _____
Company, TEXAS FACILITIES COMPANY AND OIL COMPANY Address P.O. Box 2110, Fort Worth 1, Texas

Completed drilling _____ 19 () Finished drilling _____ August 6, 19 ()
The summary on this page is for the condition of the well at above date.
Date _____ Amount \$ _____ Title _____ Manager of Production _____

(Denote gas by G)

OIL OR GAS SANDS OR ZONES

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

State	Weight per foot	Thickness per inch	Make	Amount	Kind of spot	Cut and drilled from	Perforated From - To	Purpose
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 added or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of charges. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or drilling.								

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD				
Mix cement	Water set	Number sacks of cement	Method used	Mud gravity
12 3/4	201	100	Pump	10.0
12 3/4	180	100	Pump	10.0

FLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Relay tools were used from	test to	test and from	test to
Cable tools were used from	test to	test and from	test to

SETAC

It was well cut in 24 hours	Cellulose gasolene per 1,000 cu. ft. of gas	Gravity, 68° F.	
% water and % sediment			
The production for the first 24 hours was	barrels of fluid of which % was oil; %		Put to producing Jan. 1917, 1918

EMPLOYEES

Driller		Driller
Driller		Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
8294	8324	30	Lime & Chert
8324	8349	25	Bofo. & Lime
8349	8351	2	Lime, Bofo. & Chert
8351	8414	63	Lime & Shale
8414	8456	42	Lime & Bofo. w/ Shale
8456	8461	5	Bofo.
8461	8520	59	Lime & Shale
8520	8725	205	Lime
8725	8743	18	Lime & Shale
8743	8788	45	Lime, Bofo. & Shale
8788	8802	14	Lime & Shale
8802	8832	30	Lime & Shale
8832	8848	16	Shale
8848	8917	69	Shale, Lime & Chert
8917	9054	137	Lime & Shale
9054	9103	49	Lime & Shale
9103	9190	87	Lime, Shale & Chert
9190	9280	90	Lime, Shale & Chert
9280	9336	56	Shale & Bottomite
9336	9387	51	Shale
9387	9404	17	Shale
9404	9424	20	Shale & Bofo.
9424	9437	13	Shale
9437	9451	14	Shale
9451	9461	10	Shale
9461	9474	13	Shale
9474	9487	13	Shale
9487	9497	10	Shale
9497	9507	10	Shale
9507	9517	10	Shale
9517	9527	10	Shale
9527	9537	10	Shale
9537	9547	10	Shale
9547	9557	10	Shale
9557	9567	10	Shale
9567	9577	10	Shale
9577	9587	10	Shale
9587	9597	10	Shale
9597	9607	10	Shale
9607	9617	10	Shale
9617	9627	10	Shale
9627	9637	10	Shale
9637	9647	10	Shale
9647	9657	10	Shale
9657	9667	10	Shale
9667	9677	10	Shale
9677	9687	10	Shale
9687	9697	10	Shale
9697	9707	10	Shale
9707	9717	10	Shale
9717	9727	10	Shale
9727	9737	10	Shale
9737	9747	10	Shale
9747	9757	10	Shale
9757	9767	10	Shale
9767	9777	10	Shale
9777	9787	10	Shale
9787	9797	10	Shale
9797	9807	10	Shale
9807	9817	10	Shale
9817	9827	10	Shale
9827	9837	10	Shale
9837	9847	10	Shale
9847	9857	10	Shale
9857	9867	10	Shale
9867	9877	10	Shale
9877	9887	10	Shale
9887	9897	10	Shale
9897	9907	10	Shale
9907	9917	10	Shale
9917	9927	10	Shale
9927	9937	10	Shale
9937	9947	10	Shale
9947	9957	10	Shale
9957	9967	10	Shale
9967	9977	10	Shale
9977	9987	10	Shale
9987	9997	10	Shale
9997	10007	10	Shale