Form 9-330

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

U.S. LAND OFFICE Window Rock Navajo Tribal
SERIAL NUMBER 14-20-603-584 Arizona
LEASE OR PERMIT TO PROSPECT

RECEIVED
APR 3 1962
OIL CON. COM.
DIST. 3

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Texas Pacific Coal and Oil Company Address P.O.Box 2110,Fort Worth 1, Texas

Lessor or Tract Navajo Tribal "C" Field Undesignated State New Mexico

Well No. 2 Sec. 23 T. 32N R. 18W Meridian ____ County San Juan

Location 1650 ft. {S.} of N Line and 330 ft. {W.} of E Line of Sec.23 Elevation 5461 G.L.
(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 [signature]

Date March 30, 1962 Title Manager of Production

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

Commenced drilling March 10, 1962 Finished drilling March 16, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 1407 to 1417 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 From—	Perforated To—	Purpose
7"	23#	8 Rd.	J-55	36'	-	-	-	-	Surface
4 1/2"	11.6	8 Rd.	Smls.	1476'	Baker Guide	-	1407.5	1417	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7	36'	8			
4 1/2	1476'	80	Pump & Plug		

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 1478 feet, and from ____ feet to ____ feet

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

DATES

March 28, 1962 Put to producing March 22, 1962

The production for the first 24 hours was 89 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Gravity, °Bé. 36.5

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	26	26	Hard sand & shale
26	108	82	Shale w/hard sand
108	525	417	Shale & strks. sand
525	1358	833	Shale w/sand strks.
1358	1366	8	(Core) Shale w/Strks. sand. No porosity
1366	1368	2	(Core) Sand,hard tight,sli.fractures,very sli. bleeding oil.
1368	1378	10	(Core) Shale
1378	1403	25	Shale & sand (Core)
1403	1405	2	Shale,sdy. (Core)
1405	1422	17	Sd. Fine to med. grain, shly. tight, bleeding oil
1422	1423	1	(Core) Shale
1423	1478	55	Shale & Lime
	1478		Total Depth

[OVER]

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

DATES

TOOLS USED

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

PLUGS AND ADAPTERS

Heaving plug—Material _____ Depth set _____

Adapters—Material _____ Size _____

MUDDING AND CEMENTING RECORD

Size	Where set	Number sacks of cement	Method used	Mud fluid	Cubic feet of cement used

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.

Date	Depth	Quantity	Kind of shot (Torpedo or explosive)	Depth cleaned out	Depth torpedo set	Producing before shot	Producing after shot	Remarks

CASING RECORD

Size casing	Weight per foot	New or second hand	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
20"	[illegible]			[illegible]	[illegible]				[illegible]
10"	[illegible]			[illegible]	[illegible]				[illegible]

WATER SANDS

From—	To—	Volume	Quality
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

OIL OR GAS SANDS OR ZONES

(Denote [illegible])

[illegible]	[illegible]	[illegible]	[illegible]

The undersigned [illegible] hereby certifies that the information given herein is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signature _____ Title _____ Date _____

Company _____ Address _____ Date _____

Company _____ Field _____ State _____

Lessor or Farm _____ Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Location _____ Elevation _____

The information given herein is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signature _____ Title _____ Date _____

POSITION ACCURATELY CORRECTED

LOG OF OIL OR GAS WELL

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE _____

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT _____

GPO 16-2-320