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

Form 9-330

U. S. LAND OFFICE
SERIAL NUMBER NM 04242
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAR 22 1962

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company James P. Dunigan Address 415 Citizens Nat'l Bnk., Abilene, Tex.
Lessor or Tract Denius-Federal Field Maljamar-Grayburg-San Andres State New Mexico
Well No. 10 Sec. 33 T. 17S R. 33E Meridian ____ County Lea
Location 2310 ft. {N.} of S. Line and 2117 ft. {E.} of W Line of Sec. 33 Elevation 4096'GR.
(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. B. Thurmond
Title Superintendent

Date 3-19-62

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

Commenced drilling 2-12-62, 19__ Finished drilling 2-28-62, 19__

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 4596' to 4676'
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 From—	Perforated To—	Purpose
11 3/4	28#	8 Rd.	Armco	314'	Tex Patt				Surface
4 1/2	10.5#	8 Rd.	L.S.	4710'	Hall.		4659	4667	Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11 3/4	314'	275	Pump & Plug		
4 1/2	4710'	1200	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 4710 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19__ Put to producing 3-9-62, 19__

The production for the first 24 hours was 238 barrels of fluid of which 83.8% was oil; ____% emulsion; 16.2% water; and ____% sediment.
Gravity, °Bé. 36.1

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____
Rock pressure, lbs. per sq. in. ____

EMPLOYEES

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	1407'	1407'	Red beds, sand
1407'	1520'	113'	Anhydrite
1520'	2770'	1250'	Anhydrite, salt
2770'	3185'	415'	Red sand, anhydrite, dolomite
3185'	3852'	667'	Anhydrite, dolomite
3852'	3880	28'	Red sand
3880'	4350'	470'	Anhydrite, dolomite
4350'	4596'	246'	Dolomite, sand
4596'	4676'	80'	Sand, dolomite
4676'	4710'	34'	Dolomite

TOPS

Rustler Anhydrite	1407'
Yates	2770'
Seven Rivers	3185'
Queen	3852'
Grayburg	4350'
Premier	4596'
San Andres	4676'

FOLD | MARK

FROM—	TO—	TOTAL FEET	FORMATION

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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.