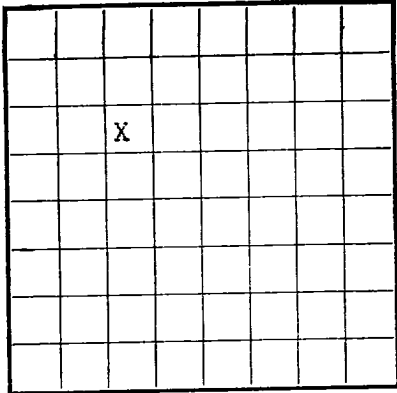


Form 9-230

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079487-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEC 19 1957
NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 30-4 Unit Field E. Blanco P.C. State New Mexico
Well No. 18 Sec. 21 T. 30N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1700 ft. XX of N Line and 1650 ft. XX of W Line of Sec. 21 Elevation 7527
(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 Original Signed D. C. Johnson

Date December 2, 1957 Title Petroleum Engineer

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

Commenced drilling 7-15, 1957 Finished drilling 8-22, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
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—	
9 5/8"	25.4	P. E.	S. W.	121'	Howco	460'			Surface
5 1/2"	15.5	8 No.	455	455'					Prod. csg.
HISTORICAL RECORD OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	132'	100	Circulated		
5 1/2"	4544'	250	Single Stage		

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
See Well History						

TOOLS USED

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

DATES

E. & A 10-28, 1957 Put to producing _____, 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 E. & A Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

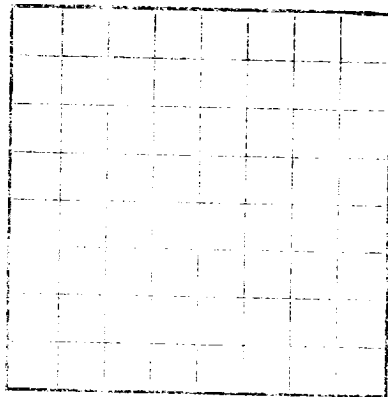
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3620	3620	Tan to gry cr-grn ss interbedded w/gry sh.
3620	3850	230	Ojo Alamo ss. white cr-grn s.
3850	4078	228	Kirtland form. Gry sh interbedded w/tight gry fine gry ss.
4078	4255	177	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
4255	4522	267	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4522	4545	23	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

U. S. LAND OFFICE
State of _____
In case of Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Location _____
Section _____
Twp. _____
Range _____
M. _____
E. _____
N. _____
W. _____
The information given here 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 _____
D. C. Johnson

Set 4 x 4 pipe as marker.

Regular cement.

and pulled 460' 5 1/2' csg. Cement from 474' to surface w/200 sbs.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.

Set 4 x 4 pipe as marker.