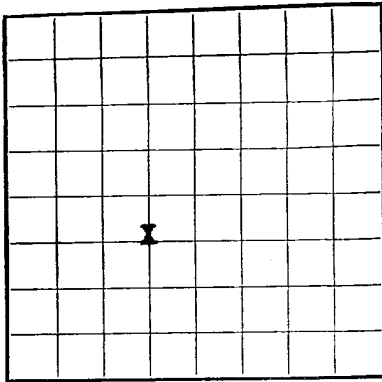


COPY TO O.C.C. HOBBS

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

Form 9-330

NOTED
DEC 15 1961
STANDLEYU. S. LAND OFFICE
SERIAL NUMBER **LC-060978**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Chorro Exploration, Inc.** Address **BOX 763 HOBBS, NEW MEXICO**
 Lessor or Tract **Jacobs-Federal** Field **Milnesand-SA** State **New Mexico**
 Well No. **4** Sec. **18** T. **8S** R. **35E** Meridian **NMPM** County **Roosevelt**
 Location **1980** ft. **N.** of **S.** Line and **1980** ft. **E.** of **W.** Line of **Section 18** Elevation **4229** GL
 (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 *H. L. Smith*
 Date **December 15, 1961** Title **Agent**

The summary on this page is for the condition of the well at above date.
 Commenced drilling **November 3**, 19 **61** Finished drilling **November 18**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4522** to **4600** 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—	
8 5/8	24	8R	New	465	Guide				Surface
4 1/2	10.5	8R	New	4716	Guide		4522	4600	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	465	300	Pump & plug		
4 1/2	4716	225	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

FOLD | MARK

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

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

Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

If gas well, cu. ft. per 24 hours _____

Rock pressure, lbs. per sq. in. _____

Gravity, °Be. _____

EMPLOYEES

_____, Driller **L. E. Berg**

_____, Driller **F. M. Black**

_____, Driller **F. H. Bryant**

_____, Driller _____

FROM-	TO-	TOTAL FEET	FORMATION
0	370	370	Surface sands & caliche
370	1840	1470	Red bed
1840	2185	345	Red bed & anhydrite
2185	3070	885	Anhydrite & shale
3070	3260	190	Anhydrite & salt
3260	3760	500	Anhydrite & shale
3760	4155	395	Anhydrite & dolomite
4155	4720	565	Dolomite
Electric log tops:			
2125			Top Anhydrite
2200			Top Salt
2535			Base Salt
2620			Tates
3325			Queen
3810			San Andres

Company El Chorro Exploration, Inc. Address BOX 763 HORRIS, NEW MEXICO

Lessor or Tract Jacobs-Federal Field Milnesand-SA State New Mexico

Well No. 4 Sec. 18 T. 8S R. 35E Meridian NMPM County Roosevelt

Location 1980 ft. N. of S Line and 1980 ft. E. of W Line of Section 18 Elevation 4229
(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.

Date December 15, 1961 Title Agent

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

Commenced drilling November 3, 1961 Finished drilling November 18, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4522 to 4600 No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	465	300	Pump & plug		
4 1/2	4716	225	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 4720 feet, and from _____ feet to _____ feet

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

DATES

Put to producing ----- **December 8, 1961**

The production for the first 24 hours was 77 barrels of fluid of which 100% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. 29.8

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

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

EMPLOYEES

----- L. E. Berg -----, Driller ----- F. H. Bryant -----, Driller

_____, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	370	370	Surface sands & caliche
370	1840	1470	Red bed
1840	2185	345	Red bed & anhydrite
2185	3070	885	Anhydrite & shale
3070	3260	190	Anhydrite & salt
3260	3760	500	Anhydrite & shale
3760	4155	395	Anhydrite & dolomite
4155	4720	565	Dolomite
			Electric log tops:
			Top Anhydrite 2125
			Top Salt 2200
			Base Salt 2535
			Yates 2620
			Queen 3325
			San Andres 3810

FORMATION RECORD—Continued

[illegible]

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.