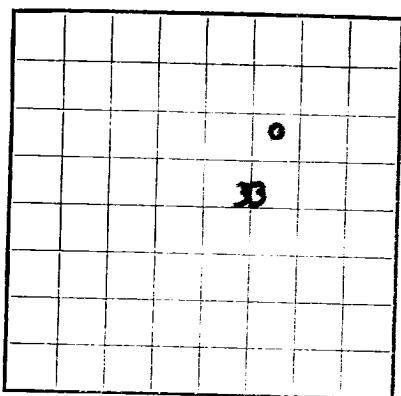




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER SP 047019-1LEASE OR PERMIT TO PROSPECT N/2,Sec. 33, T-29N, R-11W, S.1.M.P.M.UNITED STATES San Juan Cty., N.M.

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Cochran Union Production Co. Address P.O. Box 608, Farmington, N.M.Lessor or Tract Unit Field Basin Dakota State New MexicoWell No. 6 Sec. 33 T. 29N R. 11W Meridian N.M.P.M. County San JuanLocation 1150 ft. S. of 11 Line and 1850 ft. W. of 3 Line of Sec. 33 Elevation 5511 (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 D. G. Macy Title Patroleum EngineerDate 11-27-62

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

Commenced drilling 10-17, 19 62 Finished drilling 10-25, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6136 to 6225 No. 4, from _____ to _____No. 2, from 6110 to 6120 No. 5, from _____ to _____No. 3, from 6132 to 6144 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—	
<u>3-5/8"</u>	<u>20</u>	<u>8 1/2"</u>	<u>J&J</u>	<u>25.75</u>	<u>Ball 1 3/4"</u>	<u>None</u>			<u>Plug</u>
<u>4-1/2"</u>	<u>26.50</u>	<u>8 1/2"</u>	<u>J&J</u>	<u>6095</u>	<u>Ball 1 3/4"</u>	<u>None</u>	<u>6110</u>	<u>6225</u>	<u>Plug</u>
<u>4-1/2"</u>	<u>2.90</u>	<u>8 1/2"</u>	<u>J&J</u>	<u>6095</u>	<u>Ball 1 3/4"</u>	<u>None</u>	<u>6110</u>	<u>6106</u>	<u>Plugging</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3-5/8"</u>	<u>256.75</u>	<u>175 sacks</u>	<u>pump plug</u>		
<u>4-1/2"</u>	<u>6106</u>	<u>130 cu. ft.</u>	<u>pump plug</u>		

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
<u>Perf. 2 shots/ft. 6106-6225. Sand water frac w/50,000 gal. 20-40 sand and 50,500 gals. 14 CaCl₂ water. Perf. 2nd stage 2 shots/ft. 6110-6120 and 6132-6144. Sand-water frac w/35,000 gal. 20-40 sand and 35,000 gal. 1 Calcium chloride water.</u>						

TOOLS USED

Rotary tools were used from _____ feet to 6113 feet, and from _____ feet to _____ feet

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

DATES

11-12, 19 62 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. _____

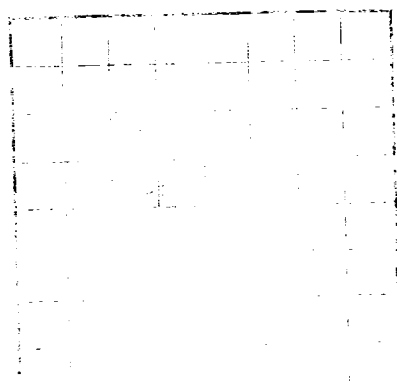
If gas well, cu. ft. per 24 hours 1096 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 5927 NO. 10 SIPT 2056; SIPT 2062

EMPLOYEES

Aspen Drilling Co., Driller _____, Driller _____C. P. Watson, Driller _____, Driller D. W. Steinbeck

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>575</u>	<u>575</u>	<u>asatch</u>
<u>575</u>	<u>1388</u>	<u>813</u>	<u>Hirtland</u>
<u>1388</u>	<u>1635</u>	<u>247</u>	<u>Hirtland</u>
<u>1635</u>	<u>1710</u>	<u>75</u>	<u>Victared Cliffs</u>
<u>1710</u>	<u>3220</u>	<u>1510</u>	<u>Lewis</u>
<u>3220</u>	<u>4350</u>	<u>1130</u>	<u>Mesa Verde</u>
<u>4350</u>	<u>6070</u>	<u>1720</u>	<u>Lucas</u>
<u>6070</u>	<u>6413</u>	<u>343</u>	<u>Dakota</u>



LOG OF OIL OR GAS WELL

APPROPRIATE TO THE INTERIOR

UNITED STATES

The information given herewith is a complete and correct record of the well and all work done thereon as far as it is determined from all available records.

Signed _____

Title _____

The summary of this page is for the condition of the well as above stated.

Commenced drilling _____

Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Indicate each by Q)

No. 1 from _____ to _____

No. 2 from _____ to _____

No. 3 from _____ to _____

IMPREGNATED WATER SANDS

No. 1 from _____ to _____

No. 2 from _____ to _____

CASING RECORD

Size _____

Weight _____

Length _____

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

WORKING AND EXPLORATION RECORD

Indicate each by Q

Indicate each by Q

PRODUCTION RECORD

Indicate each by Q

Indicate each by Q

TOOLS USED

Indicate each by Q

Indicate each by Q

DATES

Indicate each by Q

Indicate each by Q

EMPLOYEES

Indicate each by Q

Indicate each by Q

FORMATION RECORD

Indicate each by Q

Indicate each by Q

FROM TO

FROM

TO

TOTAL FEET

FORMATION