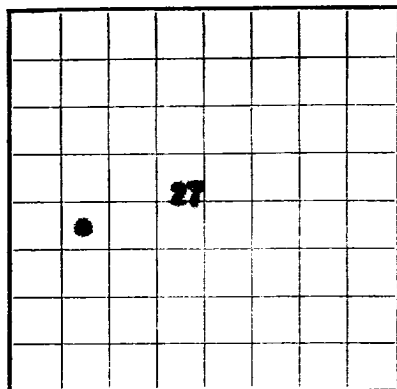
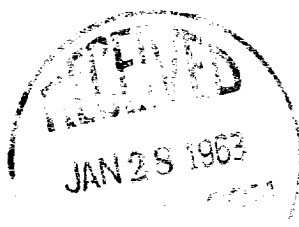




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 37 047080-2LEASE OR PERMIT TO PROSPECT N/A

Sec. 27, T-29N, R-11W, S.4.E.P.M.

UNITED STATES San Juan Co., New Mex.

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address Box 801, Farmington, N.M.Lessor or Tract Hungam Field Santa Fe State New MexicoWell No. 1 Sec. 27 T-29N R-11W Meridian S.4.E.P.M. County San JuanLocation 2200 ft. 12 of 5 Line and 1175 ft. 12 of 4 Line of Sec. 27 Elevation 5515
(Denote 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 Gilbert D. Toland, Jr.Date January 11, 1963 Title Drilling Superintendent

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

Commenced drilling Dec. 6, 1962 Finished drilling Dec. 21, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5102 to 5110 (G) No. 4, from _____ to _____No. 2, from 5112 to 5132 (G) No. 5, from _____ to _____No. 3, from 5176 to 5214 (G) 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>10-3/4"</u>	<u>295</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>5102</u>			<u>Drilling</u>
<u>8-1/2"</u>	<u>295</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>5110</u>			<u>Drilling</u>
<u>6-1/2"</u>	<u>295</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>5132</u>			<u>Drilling</u>
<u>4-1/2"</u>	<u>295</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>5176</u>			<u>Drilling</u>
<u>3-1/2"</u>	<u>295</u>	<u>8</u>	<u>API</u>	<u>100</u>	<u>API</u>	<u>5214</u>			<u>Drilling</u>
HISTORY 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
<u>10-3/4"</u>	<u>295 ft.</u>	<u>275</u> sacks	<u>Pump plug</u>		
<u>8-1/2"</u>	<u>5102 ft.</u>	<u>475</u> cu. ft. on 1st stage. Baker stage collar at 1339' cement 2nd stage w/875 cu. ft. of cement.			
<u>6-1/2"</u>	<u>5132</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>Perforated</u>	<u>2 shots/ft.</u>	<u>5102-5110, 5112-5132, 5176-5214.</u>	<u>Sand water free w/20,000</u>			
<u>20-40</u>	<u>mm</u>	<u>and 98,574</u>	<u>gallons of 15</u>	<u>API</u>		

TOOLS USED

Rotary tools were used from _____ feet to 5350 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ 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 2,530 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1902 GAOF 3,000 MCFD

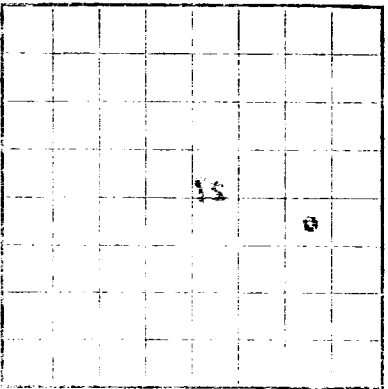
EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>600</u>	<u>600</u>	<u>Acetate</u>
<u>600</u>	<u>1340</u>	<u>740</u>	<u>Kirtland</u>
<u>1340</u>	<u>1660</u>	<u>320</u>	<u>Fruitland</u>
<u>1660</u>	<u>1830</u>	<u>170</u>	<u>Pictured Cliffs</u>
<u>1830</u>	<u>3240</u>	<u>1410</u>	<u>Lewis</u>
<u>3240</u>	<u>4350</u>	<u>1110</u>	<u>Mesa Verde</u>
<u>4350</u>	<u>6070</u>	<u>1720</u>	<u>Mancos</u>
<u>6070</u>	<u>5351</u>	<u>281</u>	<u>Delaware</u>
FROM	TO	TOTAL FEET	FORMATION



LOCATE WELL ACCORDING TO

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

DEPARTMENT OF THE INTERIOR

UNITED STATES

DEPARTMENT OF THE INTERIOR

UNITED STATES

DEPARTMENT OF THE INTERIOR

UNITED STATES

DEPARTMENT OF THE INTERIOR

UNITED STATES

DEPARTMENT OF THE INTERIOR

Company Continental Oil Company Address 1000 North 10th Street
Location Sec. 27, T. 12N., R. 10E., S. 23E., 10th St. N. of
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed Continental Oil Company

Date January 15, 1953
The summary on this page is for the condition of the well at above date.
Commenced drilling 1952 Finished drilling 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 100 to 200 (G)
No. 2, from 200 to 300 (G)
No. 3, from 300 to 400 (G)

IMPORTANT WATER SANDS

No. 1, from 100 to 200
No. 2, from 200 to 300

CASING RECORD

Casing No. 1 Weight 10 lbs. per foot. Thread 1 1/2 inch. Make Continental. Kind of shoe Standard. Cemented Yes. From 100 to 200 feet. Purpose For casing.
If the well has been dynamited, give date, size, position, and number of shots. If the well has been tested, give date, size, position, and results of pumping or flowing.
Please state in detail the dates of redrilling, together with the reasons therefor, and the results of the redrilling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Slurries	Method used	Kind of mud	Amount of mud used
<u>Water</u>	<u>Standard</u>	<u>Water</u>	<u>100</u>
<u>Oil</u>	<u>Standard</u>	<u>Oil</u>	<u>100</u>

PLUGS AND ADAPTERS

Plugs	Length	Depth set
<u>Heavy plug</u>	<u>100</u>	<u>100</u>
<u>Adapters</u>	<u>100</u>	<u>100</u>

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared out
<u>100</u>	<u>Standard</u>	<u>Standard</u>	<u>100</u>	<u>1953</u>	<u>100</u>	<u>100</u>

TOOLS USED

Rotary tools were used from 100 to 200 feet and from 100 to 200 feet.
Cable tools were used from 100 to 200 feet and from 100 to 200 feet.

DATES

The production for the first 24 hours was 100 barrels of fluid of which 100 % was oil; 100 % Put to producing 1953.
If gas well, cu. ft. per 24 hours 100.
Rock pressure, lbs. per sq. in. 100.
Emulsion: 100 % water; and 100 % sediment.
Gravity, °Be. 100.
Gallons gasoline per 1,000 cu. ft. of gas 100.

EMPLOYEES

Driller	Date
<u>Continental</u>	<u>1953</u>

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>100</u>	<u>200</u>	<u>100</u>	<u>Continental</u>
<u>200</u>	<u>300</u>	<u>100</u>	<u>Continental</u>
<u>300</u>	<u>400</u>	<u>100</u>	<u>Continental</u>
<u>400</u>	<u>500</u>	<u>100</u>	<u>Continental</u>
<u>500</u>	<u>600</u>	<u>100</u>	<u>Continental</u>
<u>600</u>	<u>700</u>	<u>100</u>	<u>Continental</u>
<u>700</u>	<u>800</u>	<u>100</u>	<u>Continental</u>
<u>800</u>	<u>900</u>	<u>100</u>	<u>Continental</u>
<u>900</u>	<u>1000</u>	<u>100</u>	<u>Continental</u>
<u>1000</u>	<u>1100</u>	<u>100</u>	<u>Continental</u>
<u>1100</u>	<u>1200</u>	<u>100</u>	<u>Continental</u>
<u>1200</u>	<u>1300</u>	<u>100</u>	<u>Continental</u>
<u>1300</u>	<u>1400</u>	<u>100</u>	<u>Continental</u>
<u>1400</u>	<u>1500</u>	<u>100</u>	<u>Continental</u>
<u>1500</u>	<u>1600</u>	<u>100</u>	<u>Continental</u>
<u>1600</u>	<u>1700</u>	<u>100</u>	<u>Continental</u>
<u>1700</u>	<u>1800</u>	<u>100</u>	<u>Continental</u>
<u>1800</u>	<u>1900</u>	<u>100</u>	<u>Continental</u>
<u>1900</u>	<u>2000</u>	<u>100</u>	<u>Continental</u>
<u>2000</u>	<u>2100</u>	<u>100</u>	<u>Continental</u>
<u>2100</u>	<u>2200</u>	<u>100</u>	<u>Continental</u>
<u>2200</u>	<u>2300</u>	<u>100</u>	<u>Continental</u>
<u>2300</u>	<u>2400</u>	<u>100</u>	<u>Continental</u>
<u>2400</u>	<u>2500</u>	<u>100</u>	<u>Continental</u>
<u>2500</u>	<u>2600</u>	<u>100</u>	<u>Continental</u>
<u>2600</u>	<u>2700</u>	<u>100</u>	<u>Continental</u>
<u>2700</u>	<u>2800</u>	<u>100</u>	<u>Continental</u>
<u>2800</u>	<u>2900</u>	<u>100</u>	<u>Continental</u>
<u>2900</u>	<u>3000</u>	<u>100</u>	<u>Continental</u>
<u>3000</u>	<u>3100</u>	<u>100</u>	<u>Continental</u>
<u>3100</u>	<u>3200</u>	<u>100</u>	<u>Continental</u>
<u>3200</u>	<u>3300</u>	<u>100</u>	<u>Continental</u>
<u>3300</u>	<u>3400</u>	<u>100</u>	<u>Continental</u>
<u>3400</u>	<u>3500</u>	<u>100</u>	<u>Continental</u>
<u>3500</u>	<u>3600</u>	<u>100</u>	<u>Continental</u>
<u>3600</u>	<u>3700</u>	<u>100</u>	<u>Continental</u>
<u>3700</u>	<u>3800</u>	<u>100</u>	<u>Continental</u>
<u>3800</u>	<u>3900</u>	<u>100</u>	<u>Continental</u>
<u>3900</u>	<u>4000</u>	<u>100</u>	<u>Continental</u>
<u>4000</u>	<u>4100</u>	<u>100</u>	<u>Continental</u>
<u>4100</u>	<u>4200</u>	<u>100</u>	<u>Continental</u>
<u>4200</u>	<u>4300</u>	<u>100</u>	<u>Continental</u>
<u>4300</u>	<u>4400</u>	<u>100</u>	<u>Continental</u>
<u>4400</u>	<u>4500</u>	<u>100</u>	<u>Continental</u>
<u>4500</u>	<u>4600</u>	<u>100</u>	<u>Continental</u>
<u>4600</u>	<u>4700</u>	<u>100</u>	<u>Continental</u>
<u>4700</u>	<u>4800</u>	<u>100</u>	<u>Continental</u>
<u>4800</u>	<u>4900</u>	<u>100</u>	<u>Continental</u>
<u>4900</u>	<u>5000</u>	<u>100</u>	<u>Continental</u>
<u>5000</u>	<u>5100</u>	<u>100</u>	<u>Continental</u>
<u>5100</u>	<u>5200</u>	<u>100</u>	<u>Continental</u>
<u>5200</u>	<u>5300</u>	<u>100</u>	<u>Continental</u>
<u>5300</u>	<u>5400</u>	<u>100</u>	<u>Continental</u>
<u>5400</u>	<u>5500</u>	<u>100</u>	<u>Continental</u>
<u>5500</u>	<u>5600</u>	<u>100</u>	<u>Continental</u>
<u>5600</u>	<u>5700</u>	<u>100</u>	<u>Continental</u>
<u>5700</u>	<u>5800</u>	<u>100</u>	<u>Continental</u>
<u>5800</u>	<u>5900</u>	<u>100</u>	<u>Continental</u>
<u>5900</u>	<u>6000</u>	<u>100</u>	<u>Continental</u>
<u>6000</u>	<u>6100</u>	<u>100</u>	<u>Continental</u>
<u>6100</u>	<u>6200</u>	<u>100</u>	<u>Continental</u>
<u>6200</u>	<u>6300</u>	<u>100</u>	<u>Continental</u>
<u>6300</u>	<u>6400</u>	<u>100</u>	<u>Continental</u>
<u>6400</u>	<u>6500</u>	<u>100</u>	<u>Continental</u>
<u>6500</u>	<u>6600</u>	<u>100</u>	<u>Continental</u>
<u>6600</u>	<u>6700</u>	<u>100</u>	<u>Continental</u>
<u>6700</u>	<u>6800</u>	<u>100</u>	<u>Continental</u>
<u>6800</u>	<u>6900</u>	<u>100</u>	<u>Continental</u>
<u>6900</u>	<u>7000</u>	<u>100</u>	<u>Continental</u>
<u>7000</u>	<u>7100</u>	<u>100</u>	<u>Continental</u>
<u>7100</u>	<u>7200</u>	<u>100</u>	<u>Continental</u>
<u>7200</u>	<u>7300</u>	<u>100</u>	<u>Continental</u>
<u>7300</u>	<u>7400</u>	<u>100</u>	<u>Continental</u>
<u>7400</u>	<u>7500</u>	<u>100</u>	<u>Continental</u>
<u>7500</u>	<u>7600</u>	<u>100</u>	<u>Continental</u>
<u>7600</u>	<u>7700</u>	<u>100</u>	<u>Continental</u>
<u>7700</u>	<u>7800</u>	<u>100</u>	<u>Continental</u>
<u>7800</u>	<u>7900</u>	<u>100</u>	<u>Continental</u>
<u>7900</u>	<u>8000</u>	<u>100</u>	<u>Continental</u>
<u>8000</u>	<u>8100</u>	<u>100</u>	<u>Continental</u>
<u>8100</u>	<u>8200</u>	<u>100</u>	<u>Continental</u>
<u>8200</u>	<u>8300</u>	<u>100</u>	<u>Continental</u>
<u>8300</u>	<u>8400</u>	<u>100</u>	<u>Continental</u>
<u>8400</u>	<u>8500</u>	<u>100</u>	<u>Continental</u>
<u>8500</u>	<u>8600</u>	<u>100</u>	<u>Continental</u>
<u>8600</u>	<u>8700</u>	<u>100</u>	<u>Continental</u>
<u>8700</u>	<u>8800</u>	<u>100</u>	<u>Continental</u>
<u>8800</u>	<u>8900</u>	<u>100</u>	<u>Continental</u>
<u>8900</u>	<u>9000</u>	<u>100</u>	<u>Continental</u>
<u>9000</u>	<u>9100</u>	<u>100</u>	<u>Continental</u>
<u>9100</u>	<u>9200</u>	<u>100</u>	<u>Continental</u>
<u>9200</u>	<u>9300</u>	<u>100</u>	<u>Continental</u>
<u>9300</u>	<u>9400</u>	<u>100</u>	<u>Continental</u>
<u>9400</u>	<u>9500</u>	<u>100</u>	<u>Continental</u>
<u>9500</u>	<u>9600</u>	<u>100</u>	<u>Continental</u>
<u>9600</u>	<u>9700</u>	<u>100</u>	<u>Continental</u>
<u>9700</u>	<u>9800</u>	<u>100</u>	<u>Continental</u>
<u>9800</u>	<u>9900</u>	<u>100</u>	<u>Continental</u>
<u>9900</u>	<u>10000</u>	<u>100</u>	<u>Continental</u>