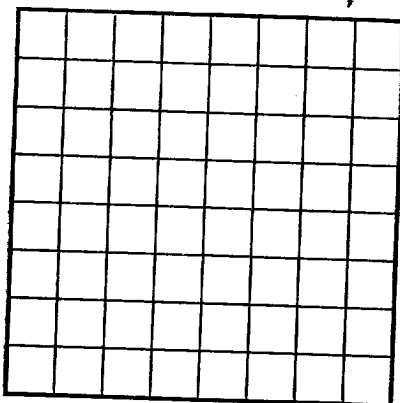


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 057798
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Paton Brothers Address Box 667, Artesia, New Mexico
Lessor or Tract Magruder Field Empire State New Mexico
Well No. 10 Sec 35 T. 17 R. 27 Meridian N. M. P. M. County Eddy
Location 330 ft. N. of S. Line and 330 ft. NE. of E. Line of _____ Elevation 3652
(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 /s/ H. R. PatonDate May 24, 1948Title Partner

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

Commenced drilling March 29, 1948 Finished drilling May 1, 1948

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

No. 1, from 1260 to 1275 No. 4, from 1768 to 1780
No. 2, from 1385 to 1395 No. 5, from _____ to _____
No. 3, from 1730 to 1748 No. 6, from _____ to _____

IMPORTANT WATER SANDS

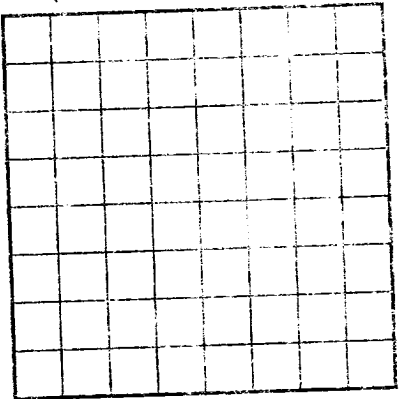
No. 1, from 600 to 615 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 1/2 inch	26	4	Lucas	1000	Ball	Surface to 1260			Production
7 inch	21	4	Lucas	1000	Ball	1260 to 1730			Production
5 inch	16	4	Lucas	1000	Ball	1730 to 1780			Production
4 inch	12	4	Lucas	1000	Ball	1780 to 1805			Production
3 inch	9	4	Lucas	1000	Ball	1805 to 1820			Production
2 inch	6	4	Lucas	1000	Ball	1820 to 1840			Production
1 1/2 inch	4	4	Lucas	1000	Ball	1840 to 1860			Production
1 inch	3	4	Lucas	1000	Ball	1860 to 1880			Production
3/4 inch	2	4	Lucas	1000	Ball	1880 to 1900			Production
1/2 inch	1	4	Lucas	1000	Ball	1900 to 1920			Production
3/8 inch	1	4	Lucas	1000	Ball	1920 to 1940			Production
1/4 inch	1	4	Lucas	1000	Ball	1940 to 1960			Production
1/8 inch	1	4	Lucas	1000	Ball	1960 to 1980			Production
1/16 inch	1	4	Lucas	1000	Ball	1980 to 2000			Production
1/32 inch	1	4	Lucas	1000	Ball	2000 to 2020			Production
1/64 inch	1	4	Lucas	1000	Ball	2020 to 2040			Production
1/128 inch	1	4	Lucas	1000	Ball	2040 to 2060			Production
1/256 inch	1	4	Lucas	1000	Ball	2060 to 2080			Production
1/512 inch	1	4	Lucas	1000	Ball	2080 to 2100			Production
1/1024 inch	1	4	Lucas	1000	Ball	2100 to 2120			Production
1/2048 inch	1	4	Lucas	1000	Ball	2120 to 2140			Production
1/4096 inch	1	4	Lucas	1000	Ball	2140 to 2160			Production
1/8192 inch	1	4	Lucas	1000	Ball	2160 to 2180			Production
1/16384 inch	1	4	Lucas	1000	Ball	2180 to 2200			Production
1/32768 inch	1	4	Lucas	1000	Ball	2200 to 2220			Production
1/65536 inch	1	4	Lucas	1000	Ball	2220 to 2240			Production
1/131072 inch	1	4	Lucas	1000	Ball	2240 to 2260			Production
1/262144 inch	1	4	Lucas	1000	Ball	2260 to 2280			Production
1/524288 inch	1	4	Lucas	1000	Ball	2280 to 2300			Production
1/1048576 inch	1	4	Lucas	1000	Ball	2300 to 2320			Production
1/2097152 inch	1	4	Lucas	1000	Ball	2320 to 2340			Production
1/4194304 inch	1	4	Lucas	1000	Ball	2340 to 2360			Production
1/8388608 inch	1	4	Lucas	1000	Ball	2360 to 2380			Production
1/16777216 inch	1	4	Lucas	1000	Ball	2380 to 2400			Production
1/33554432 inch	1	4	Lucas	1000	Ball	2400 to 2420			Production
1/67108864 inch	1	4	Lucas	1000	Ball	2420 to 2440			Production
1/134217728 inch	1	4	Lucas	1000	Ball	2440 to 2460			Production
1/268435456 inch	1	4	Lucas	1000	Ball	2460 to 2480			Production
1/536870912 inch	1	4	Lucas	1000	Ball	2480 to 2500			Production
1/1073741824 inch	1	4	Lucas	1000	Ball	2500 to 2520			Production
1/2147483648 inch	1	4	Lucas	1000	Ball	2520 to 2540			Production
1/4294967296 inch	1	4	Lucas	1000	Ball	2540 to 2560			Production
1/8589934592 inch	1	4	Lucas	1000	Ball	2560 to 2580			Production
1/17179869184 inch	1	4	Lucas	1000	Ball	2580 to 2600			Production
1/34359738368 inch	1	4	Lucas	1000	Ball	2600 to 2620			Production
1/68719476736 inch	1	4	Lucas	1000	Ball	2620 to 2640			Production
1/137438953472 inch	1	4	Lucas	1000	Ball	2640 to 2660			Production
1/274877906944 inch	1	4	Lucas	1000	Ball	2660 to 2680			Production
1/549755813888 inch	1	4	Lucas	1000	Ball	2680 to 2700			Production
1/1099511627776 inch	1	4	Lucas	1000	Ball	2700 to 2720			Production
1/2199023255552 inch	1	4	Lucas	1000	Ball	2720 to 2740			Production
1/4398046511104 inch	1	4	Lucas	1000	Ball	2740 to 2760			Production
1/8796093022208 inch	1	4	Lucas	1000	Ball	2760 to 2780			Production
1/17592186044416 inch	1	4	Lucas	1000	Ball	2780 to 2800			Production
1/35184372088832 inch	1	4	Lucas	1000	Ball	2800 to 2820			Production
1/70368744177664 inch	1	4	Lucas	1000	Ball	2820 to 2840			Production
1/140737488355328 inch	1	4	Lucas	1000	Ball	2840 to 2860			Production
1/281474976710656 inch	1	4	Lucas	1000	Ball	2860 to 2880			Production
1/562949953421312 inch	1	4	Lucas	1000	Ball	2880 to 2900			Production
1/1125899906842624 inch	1	4	Lucas	1000	Ball	2900 to 2920			Production
1/2251799813685248 inch	1	4	Lucas	1000	Ball	2920 to 2940			Production
1/4503599627370496 inch	1	4	Lucas	1000	Ball	2940 to 2960			Production
1/9007199254740992 inch	1	4	Lucas	1000	Ball	2960 to 2980			Production
1/18014398509481984 inch	1	4	Lucas	1000	Ball	2980 to 3000			Production
1/36028797018963968 inch	1	4	Lucas	1000	Ball	3000 to 3020			Production
1/72057594037927936 inch	1	4	Lucas	1000	Ball	3020 to 3040			Production
1/144115188075855872 inch	1	4	Lucas	1000	Ball	3040 to 3060			Production
1/288230376151711744 inch	1	4	Lucas	1000	Ball	3060 to 3080			Production
1/576460752303423488 inch	1	4	Lucas	1000	Ball	3080 to 3100			Production
1/1152921504606846976 inch	1	4	Lucas	1000	Ball	3100 to 3120			Production
1/2305843009213693952 inch	1	4	Lucas	1000	Ball	3120 to 3140			Production
1/4611686018427387904 inch	1	4	Lucas	1000	Ball	3140 to 3160			Production
1/9223372036854775808 inch	1	4	Lucas	1000	Ball	3160 to 3180			Production
1/18446744073709551616 inch	1	4	Lucas	1000	Ball	3180 to 3200			Production
1/36893488147419103232 inch	1	4	Lucas	1000	Ball	3200 to 3220			Production
1/73786976294838206464 inch	1	4	Lucas	1000	Ball	3220 to 3240			Production
1/147573952589676412928 inch	1	4	Lucas	1000	Ball	3240 to 3260			Production
1/295147905179352825856 inch	1	4	Lucas	1000	Ball	3260 to 3280			Production
1/5902958103587056517056 inch	1	4	Lucas	1000	Ball	3280 to 3300			Production
1/11805916207174113034112 inch	1	4	Lucas	1000	Ball	3300 to 3320			Production
1/23611832414348226068224 inch	1	4	Lucas	1000	Ball	3320 to 3340			Production
1/47223664828696452136448 inch	1	4	Lucas	1000	Ball	3340 to 3360			Production
1/94447329657392904272896 inch	1	4	Lucas	1000	Ball	3360 to 3380			Production
1/188894659314785808545792 inch	1	4	Lucas	1000	Ball	3380 to 3400			Production
1/377789318629571617091584 inch	1	4	Lucas	1000	Ball	3400 to 3420			Production
1/755578637259143234183168 inch	1	4	Lucas	1000	Ball	3420 to 3440			Production
1/1511157274518286468366336 inch	1	4	Lucas	1000	Ball	3440 to 3460			Production
1/3022314549036572936732672 inch	1	4	Lucas	1000	Ball	3460 to 3480			Production
1/6044629098073145873465344 inch	1	4	Lucas	1000	Ball	3480 to 3500			Production
1/12089258196146291746930688 inch	1	4	Lucas	1000	Ball	3500 to 3520			Production
1/24178516392292583493861376 inch	1	4	Lucas	1000	Ball	3520 to 3540			Production
1/48357032784585166987722752 inch	1	4	Lucas	1000	Ball	3540 to 3560			Production
1/96714065569170333975445504 inch	1	4	Lucas	1000	Ball	3560 to 3580			Production
1/193428131138340667950891008 inch	1	4	Lucas	1000	Ball	3580 to 3600			Production
1/386856262276681335901782016 inch	1	4	Lucas	1000	Ball	3600 to 3620			Production
1/773712524553362671803564032 inch	1	4	Lucas	1000	Ball	3620 to 3640			Production
1/1547425049106725343607128064 inch	1	4	Lucas	1000	Ball	3640 to 3660			Production
1/3094850098213450687214256128 inch	1	4	Lucas	1000	Ball	3660 to 3680			Production
1/6189700196426901374428512256 inch	1	4	Lucas	1000	Ball	3680 to 3700			Production
1/12379400392853802748857024512 inch	1	4	Lucas	1000	Ball	3700 to 3720			Production
1/24758800785707605497714049024 inch	1	4	Lucas	1000	Ball	3720 to 3740			Production
1/49517601571415210995428098048 inch	1	4	Lucas	1000	Ball	3740 to 3760			Production
1/99035203142830421990856196096 inch	1	4	Lucas	1000	Ball	3760 to 3780			Production
1/198070406285660843981712392192 inch	1	4	Lucas	1000	Ball	3780 to 3800			Production
1/396140812571321687963424784384 inch	1	4	Lucas	1000	Ball	3800 to 3820			Production
1/792281625142643375926849568768 inch	1	4	Lucas	1000	Ball	3820 to 3840			Production
1/1584563250285286751853699137536 inch	1	4	Lucas	1000	Ball	3840 to 3860			Production
1/3169126500570573503707398275072 inch	1	4	Lucas	1000	Ball	3860 to 3880			Production
1/6338253001141147007414796550144 inch	1	4	Lucas	1000	Ball	3880 to 3900			Production
1/12676506002282294014829593100288 inch	1	4	Lucas	1000	Ball	3900 to 3920			Production
1/25353012004564588029659186200576 inch	1	4	Lucas	1000	Ball	3920 to 3940			Production
1/50706024009129176059318372401152 inch	1	4	Lucas	1000	Ball	3940 to 3960			Production
1/101412048018258352118636744802304 inch	1	4	Lucas	1000	Ball	3960 to 3980			Production
1/202824096036516704237273489604608 inch	1	4	Lucas	1000	Ball	3980 to 4000			Production
1/405648192073033408474546979209216 inch	1	4	Lucas	1000	Ball	4000 to 4020			Production
1/811296384146066816949093958418432 inch	1	4	Lucas	1000	Ball	4020 to 4040			Production
1/1622592762921333638998187916836672 inch	1	4	Lucas	1000	Ball	4040 to 4060			Production
1/3245185525842667277996375833673344 inch	1	4	Lucas	1000	Ball	4060 to 4080			Production
1/6490371051685334555992751667346688 inch	1	4	Lucas	1000	Ball	4080 to 4100			Production
1/129807421033706691119855033346									

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company Name _____
Lessor or Tract _____
Well No. _____
Location _____
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.

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____	No. 2 from _____ to _____	No. 3 from _____ to _____
No. 4 from _____ to _____	No. 5 from _____ to _____	No. 6 from _____ to _____
No. 7 from _____ to _____	No. 8 from _____ to _____	No. 9 from _____ to _____
No. 10 from _____ to _____	No. 11 from _____ to _____	No. 12 from _____ to _____

CASING RECORD

Casing	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____

HISTORY OF OIL OR GAS WELL

Time	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____

SHOOTING RECORD

Time	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____

PLUGS AND ADAPTERS

Time	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____

EMPLOYEES

Time	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____

FORMATION RECORD

Time	Weight per foot	Thickness per inch	Make	Kind of steel	Cut and pulled from	Purpose
_____	_____	_____	_____	_____	_____	_____