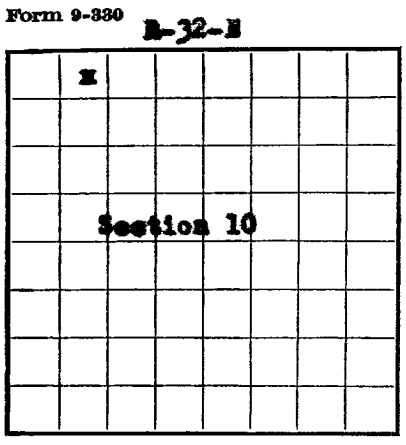
Form 9-330



LOCATE WELL CORRECTLY

RECEIVED
SEP 20 1957
Oil Cons. Commn.
ARTESIA OFFICE

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC-063587
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 18 1957
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address Box 1957, Hobbs, New Mexico

Lessor or Tract Perry-Federal Field Wildcat State New Mexico

Well No. 1 Sec. 10 T. -20-S R. -32-E Meridian NMPM County Lea

Location 330 ft. {N. / S.} of N Line and 990 ft. {E. / W.} of W Line of Section 10 Elevation 3448 (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.

Original Signed by
Signed P. A. Dennie P. A. Dennie

Date September 10, 1957 Title Division Exploitation Engr.

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

Commenced drilling December 22, 19 56 Finished drilling July 17, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ____ to ____ 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 From	Perforated To	Purpose
30"			Conductor	36'					
20"	94#	8rd	Republic	857'	Baker				
13 3/8"	48#	8rd	Republic	2625'	Baker				
9 5/8"	53.5# 40#	8rd	Republic	9998'	Baker				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
30"	36'	375	Pump & Plug		
20"	857'	1600	Pump & Plug		
13 3/8"	2625'	2500	Pump & Plug		
9 5/8"	9998'	1050	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 14,367 feet, and from ____ feet to ____ feet

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

DATES

____, 19____ Put to producing TA August 22, 19 57

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 ____ 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	840	840	Red Beds & Shales
840	1,010	170	Anhydrite
1,010	1,060	50	Salt
1,060	1,090	30	Anhydrite
1,090	1,230	140	Salt
1,230	1,260	30	Anhydrite
1,260	1,350	90	Salt
1,350	1,380	30	Anhydrite
1,380	2,500	1,120	Salt
2,500	2,530	30	Anhydrite
2,530	2,790	120	Salt
2,790	2,730	140	Sand
2,730	3,180	450	Salt
3,180	3,450	270	Limestone & Dolomite
3,450	4,640	1,190	Dolomite, Red
4,640	4,790	150	Sand & Dolomite
4,790	4,980	190	Anhydrite
4,980	5,170	190	Sand & Dolomite
5,170	5,050	880	Sand, Shale & Dolomite
6,050	7,400	1,350	Sandstone
7,400	7,890	490	Limestone
7,890	8,590	700	Limestone & Chert
8,590	8,790	200	Sand & Dolomite
8,790	9,010	220	Limestone & Chert
9,010	9,230	220	Limestone & Sand
9,230	9,650	420	Sand & Dolomite

TOTAL FEET [OVER] FORMATION 16—48094-4

FORMATION RECORD CONTINUED

AT THE END OF COMPLETE DRILLER'S AND GEOLOGIC TOPS. STATE WHETHER FROM EL OR SAMPLES

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
8,490	10,100	490	Limestone, Shale, Sand, & Chert
10,100	10,480	380	Sand & Dolomite
10,480	10,630	150	Limestone, Shale, & Chert
10,630	11,360	730	Shale
11,360	11,530	170	Limestone & Chert
11,530	12,000	470	Limestone, Sand, & Shale
12,000	12,380	380	Limestone, Chert
12,380	12,[illegible]	240	Sand & Shale
12,[illegible]	13,[illegible]	[illegible]	Shale & Dolomite
13,[illegible]	13,360	310	Limestone & Chert
13,360	13,[illegible]	140	Shale & Dolomite
13,[illegible]	13,[illegible]	250	Limestone
13,[illegible]	14,[illegible]	100	Dolomite
14,[illegible]	14,[illegible]	40	Limestone
14,[illegible]	14,[illegible]	40	Dolomite
14,[illegible]	14,[illegible]	100	Limestone & Chert
14,[illegible]	14,367	107	Dolomite & Chert

FORMATION TOPS FROM ELECTRICAL SURVEY

Rustler	0'	(+3448')
Rustler Anhydrite	1,828'	(+1620')
Base Salado Salt	5,520'	(-2072')
Yates	2,695'	(+753')
Capitan Reef	3,000'	(+448')
Delaware Mountain Group	4,390'	(-942')
Bone Spring	7,[illegible]	(-3992')
Wolfcamp	10,480'	(-7032')
Pennsylvanian	11,360'	(-7912')
Atoka	11,525'	(-8077')
Mississippian	13,050'	(-9602')
Woodford Shale	13,558'	(-10,110')
Devonian	13,700'	(-10,252')
Fusselman	14,260'	(-10,812')

HISTORY OF OIL OR GAS WELL

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 same and its results. If there have been 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 balling.

Cemented 30" Conductor pipe at 36'. Circulated cement. Rigged up rotary. Spudded @ 6:00 AM (MST) 12-[illegible]-56. Drilled 24" hole to 858'. Cemented 20" casing @ 857'. Circulated cement. Drilled 17 1/2" hole to 2625'. Cored Salado Salt 1625' - 1721'. Cemented 13 3/8" casing @ 2625'. Circulated cement. Drilled 12 1/4" hole to 10,000'. Lost circulation @ 3700'. Cemented 9 5/8" casing @ 9998'. Temperature survey indicated top of cement @ 6700'. Drilled 8 3/8" hole to 13,733'. Cored 7 3/4" hole 13,733' - 14,367'. Reamed core hole to 8 3/8". Spotted 50 sx. cement 14,190' - 14,023'. Spotted 50 sx. cement 13,000' - 12,856'. Spotted 50 sx. cement 10,050' - 9906'. Last cement plug in place @ 4:15 AM (MST) 7-21-57. Set cast iron bridge plug @ 9600' & capped w/2 sx. cement. Released rig @ 7:00 AM (MST) 7-22-57. MOR. RUPU. Ran 2 1/2" tubing open-ended. Displaced water w/oil. Perforated 9 5/8" casing 9460' - 9482' w/4 JSPF. Washed w/500 gallons MCA & injected 1000 gallons MCA. Swabbed dry. Perforated 9 5/8" casing 9405' - 9420', 9452' - 9460', & 9490' - 9532' w/4 JSPF. Washed w/1000 gallons MCA. Treated via 2 1/2" tubing w/25,000 gallons gelled lease crude containing 1#/gallon sand (20-40 mesh) & 0.1#/gallon Adomite. In 24 hours swabbed 50 BF cut 50% water & 8[illegible] BS. Fluid level [illegible]. Recovery 1075 barrels of oil under load. Displaced oil w/water. Pulled tubing & packer. Ran 2 1/2" tubing open-ended. Well Temporarily Abandoned 8-22-57.

NOTE: Core, DST, & Logging data shown on composite Rotary Engineering hydrocarbon analysis log.

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 [illegible] 19[illegible] Signature [illegible]

Title Division Petroleum Engineer

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Form 9-330