

Form 9-330

R-30-E

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T ARTESIA, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

AUG 5 1960

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address Box 845, Roswell, New Mexico
Lessor or Tract Henshaw Deep Unit Field Wildcat State New Mexico
Well No. 1 Sec. 24 T 16S R. 30E Meridian NMPM County Eddy
Location 660 ft. xx of N Line and 1980 ft. xx of W Line of Section 24 Elevation 3836'
(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 R. A. Lowery R. A. LOWERY

Date July 28, 1960Title District Exploitation Engineer

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

Commenced drilling December 26, 19 59 Finished drilling May 5, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,680' to 11,696' (G) 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—	
<u>13 3/8"</u>	<u>148#</u>	<u>8rd</u>	<u>French</u>	<u>1497'</u>					<u>Surface String</u>
<u>9 5/8"</u>	<u>104#</u>	<u>8rd</u>	<u>Spang & National</u>	<u>3,481'</u>					<u>Salt String</u>
<u>5 1/2"</u>	<u>17#</u>	<u>8rd</u>	<u>Pittsburg & Youngstown</u>	<u>11,843'</u>	<u>Float</u>		<u>11,680'</u>	<u>11,696'</u>	<u>Oil String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8"</u>	<u>500'</u>	<u>1450</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>9 5/8"</u>	<u>3,498'</u>	<u>700</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>5 1/2"</u>	<u>11,860'</u>	<u>550</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>3/8"</u>		<u>Jet Charge</u>	<u>48</u>	<u>5-17-60</u>	<u>11,680'-11,696'</u>	

TOOLS USED

Rotary tools were used from 501 feet to 13,072 feet, and from _____ feet to _____ feetCable tools were used from 0 feet to 501 feet, and from _____ feet to _____ feet

DATES

_____ July 28, 19 60 Put to producing _____ July 28, 19 60

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 3000 MCF Gallons gasoline per 1,000 cu. ft. of gas 2.77

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	520	520	Surface Sands
520	1,491	971	Red Beds
1,491	1,736	245	Yates Sand
1,736	2,305	569	Seven Rivers Sand
2,305	2,691	386	Queen Sand
2,691	3,016	325	Grayburg Sand
3,016	4,514	1498	San Andres Dolomite
4,514	5,770	1256	Yeso Limestone & Dolomite
5,770	6,518	748	Drinkard Dolomite
6,518	7,795	1277	Abo Shale & Dolomite
7,795	8,551	756	Wolfcamp Dolomite
8,551	10,368	1817	Pennsylvanian Limestone
10,368	11,145	777	Atoka Sand
11,145	11,679	534	Mississippian Cherty Limestone & Shale
11,679	12,379	700	Devonian Dolomite
12,379	12,620	241	Montoya Liny Dolomite
12,620	12,728	108	Simpson Shale, Dolomitic Limestone & Sand
12,728	13,057	329	Ellenburger Dolomite
13,057	13,072	15	Pre-Cambrian Granite

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 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, 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.

Shell-Henshaw Deep Unit Well No. 1 was spudded @ 6:45 PM, DST, 12-26-59. Drilled 17" hole w/cable tools to 501'. Cemented 13 3/8" casing @ 500' w/ 450 sx. Drilled ahead w/rotary tools 12 1/4" hole. Ran Caliper Survey to 2350'. DST # 1: 1715' - 1835' (120'). Ran laterolog, Microlaterolog & GR/Sonic @ 3500'. DST # 2: 3080' - 3500' (420'). Cemented 9 5/8" casing @ 3498' w/700 sx. Drilled ahead 8 3/4" hole. DST # 3: 3490' - 3680' (190'). DST # 4: 5164' - 5224' (60'). DST # 5: 7772' - 7863' (91'). Cut Core # 1: 8701' - 8741' (40'). DST # 6: 8765' - 8881' (116'). DST # 7: 8881' - 9040' (159'). Ran GR/N Log @ 11,420'. Cut Core # 2: 11,725' - 11,777' (52'). DST # 8: 11,725' - 11,777' (52'). Cut Core # 3: 11,827' (50'). DST # 9: 11,777' - 11,828' (51'). Ran Induction BS, Microlaterolog, & GR/N Logs @ 11,832'. DST # 10: 11,682' - 11,718' (36'). DST # 11: 12,740' - 12,784' (44'). DST # 12: 12,784' - 12,861' (77'). DST # 13: 12,861' - 12,951' (90'). Ran Induction BS, Microlaterolog, GR/Sonic, Velocity, Dipmeter Surveys. Set open hole bridge plug @ 12,020' & spotted 75 sx. cement. PRTB 11,872'. Cemented 5 1/2" casing @ 11,860' w/550 sx. Ran GR/CCL surveys from 8000' to TD and set production packer @ 11,596'. Ran 2 1/2" tubing and hung @ 11,596'. Perforated 5 1/2" casing 11,680' - 11,696' (16' Devonian) w/1-1/2" jet shots per foot. Treated w/500 gallons MCA followed by 1000 gallons 15% NE acid.

On OCT 1st 24 hours flowed 3000 MCFGPD + 77 BO thru 2 1/2" choke. RVP/1035 psi. Gravity 54.5 deg. API.