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Section 30

LOCATE WELL CORRECTLY

MAR 15 1963

O. C. C. UNITED STATES
ARTESIA OFFICE DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 1858, Roswell, New Mexico
Lessor or Tract Middleton Federal "A" Field Lusk-Strawn State New Mexico
Well No. 2 Sec. 30 T. 19S R. 32E Meridian NMPM County Lea
Location 990 ft. N. of 3 Line and 660 ft. W. of E Line of Section 30 Elevation 3568
(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 B. A. Lowery B. A. LOWERY

(Derrick floor relative to sea level)

Date March 11, 1963 Title District Exploitation Engineer

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

Commenced drilling January 14, 19 63 Finished drilling February 25, 19 63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,204' to 11,254' 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—	
13 3/8" 18#		8rd	National	783					Surface
6 5/8" 11 3/4#		8rd	Longstar	9684					Intermediate
4 1/2" 9 3/4#		8rd	Young & Co.	11277	Float		11204	11207	Oil
			JNL				11209	11213	
							11223	11225	
							11242	11251	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	809'	600	Pump & Plug	Cemented to surface	
8-5/8"	3703'	1810	Pump & Plug	Cemented to surface	
4-1/2"	11296'	600	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 11,296 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 11, 1963 Put to producing March 3, 1963
The production for the first 24 hours was 418 barrels of fluid of which 98% was oil; 2% emulsion; 2% water; and 0% sediment. Gravity, °Bé. 48.2 deg. API

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	848	848	Red Beds
848	2593	1745	Salt & Anhydrite
2593	2665	272	Sand & Anhydrite
2665	7148	4283	Dolomite w/Shale & Anhydrite
7148	10378	3230	Limestone, Siltstone, Shale
10378	11060	682	Limestone, Shale w/Chert
11060	11296	236	Limestone w/Shale & Chert
LOG TOPS:			
Base Red Beds		848'	(+2720')
Yates		2593'	(+975')
Seven Rivers		2665'	(+703')
Bone Spring		7148'	(-3580')
Wolfcamp		10378'	(-6810')
Des Moines		11060'	(-7492')

2001-01-01

REVISED 10/15/01

100-443609-100

On Off floved 410 BOPD + 8 BHPD thru 14/34 choke. WTP 2100 psi.

SECRET

0001/A dated 7/26/58. In 3 hours, subject was taken to hospital. Subject died at 12:30 PM. Cause of death was heart failure. Subject was 5'10" tall, weighed 175 lbs., and had brown hair and eyes. He was married and had two children. He was a member of the American Legion and had been in the service during World War II.

Run 2" tubing w/ packer set at 11,078'. Perforated 11,242' - 11,254' - 11,204' - 11,207'. 11,209' - 11,213', 11,223' - 11,229' w/ 1.554" tubing & through-tubing gun. In 6 hours.

UNIT 3-1-63. MAN OR CCL LOG 11,231 - 11,000. (failed to reach 11,264. In 33%).
UNIT 3-1/84. MAN OR CCL LOG 11,264 - 11,265. (failed to reach 11,264. In 33%).

litigated 2200 ppm Cl₂. Pit and litigated 2000 ppm Cl₂. Conclusive Test. (Johnson)
Cemented & 1/2" casing at 17,296' w/ 600 ex. Released KIS 2-27-63. Rigged up pulling

1758 gal. - 100 minutes RINSEP 4530 gal. - 6425 gal. Recovered gas cut mud
+ 5 HOLETON. Recovered 180' (0.9 bbls.) slightly gas cut mud. ISIP failed. RINSEP 956 -

Hand Del # 1: TT, 135 - LT, 200 (196) station; tool open 8 hours min 7/0 sec, 1 x;
 & 1/2 hp w/ strong blow. OIS & minutes at 7.1 MINCROPD. MIS 45 minutes. OIS 60 minutes.
 Flowed 38 no (47 dec. APT GENVALT) no water in 4 hours. GON 2200. Reversed out 20 BO

7 7/8 hole from 3703' - 11,296' (TD) with fresh water to 10,500' and then water-chemical-bentonite and thereafter. At 11,296', ran QM/S, 21-11B, and MI-Proximity logs.

to 812' w/native mud. Cemented 13 5/8" casing at 809' w/ 600 ex. Drilled 11 hole
to 810 1/2' w/salt water. Cemented 8 5/8" casing 3709' w/ 1600 ex. in two stages. Drilled

Middleton Federal A. No. 2 was supplied at 12:00, midnight, 1-14-63. Delivered 17 note

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 burning of shots.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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