

Section 5

LOCATE WELL CORRECTLY

16 AUG 9 1967 DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY GEOLOGICAL SURVEY
SARTEZIA, NEW MEXICO

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-0162
LEASE OR PERMIT TO PROSPECT _____

RECEIVED
AUG 10 1961
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL^{AR}

Company Shell Oil Company Address P. O. Box 1358, Roswell, New Mexico
Lessor or Tract Trigg-Federal Field undesignated State New Mexico
Well No. 3 Sec. 5 T. 16S R. 31E Meridian NMPM County Eddy
Location 1980 ft. N. of S Line and 660 ft. E. of W Line of Section 5 Elevation 4026
(Derrick floor relative to base of well)

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 August 7, 1961 Title District Exploitation Engineer

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

Commenced drilling July 20, 19 61 Finished drilling July 27, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3271' to 3299' 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Casing perforated	Perforated		Purpose
							From—	To—	
7 5/8"	24#	8rd	GF&I	188'					Surface
2 7/8"	6.5#	8rd	-	3452'	Guide		3271,	3273'	Oil
							3277,	3279'	
						3281', 3283,	3286',	3295'	
						3297', 3299'			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8"	198'	120	Pump & Plug	Cemented to surface	
2 7/8"	3462'	200	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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----**August 7**-----, 19-**61** Put to producing -----**August 1**-----, 19-**61**

The production for the first 24 hours was 210 barrels of fluid of which 99.8% was oil; _____% emulsion; _____% water; and 0.2% 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	697	697	Red Beds, Sandstone, Shale
697	1784	1087	Anhydrite, Salt
1784	3259	1475	Sandstone, Shale, Anhydrite, Dolomite
3259	3314	55	Sandstone, Siltstone, Shale, Dolomite
3314	3480	166	Dolomite, Shale, Sandstone
 <u>Log Tops:</u>			
Base Red Beds	697'	(+3329')	
Yates	1784'	(+2242')	
Seven Rivers	2030'	(+1996')	
Queen	2574'	(+1452')	
Grayburg	2962'	(+1064')	
Premier Sand	3259'	(+767')	
San Andres	3314'	(+712')	

FROM-	TO-	TOTAL FEET	FORMATION
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-01

TOTAL REEF

FORMATION

[illegible]

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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 balling.

Shell 17186-Federal No. 3 was spudded 2:30 PM, 7-29-61 w/Batary tools. Drilled 6 3/4" hole to 700' and reamed hole to 9 7/8" down to 200'. Cemented 7 5/8" casing @ 198' w/120 ex. cement (class A mixed with 21 GACI). Drilled 6 3/4" hole to 3256'. Corred Fletcher Sand 3256' - 3315'. Drilled to ID 3480' w/6 3/4" bit and ran GR/S log. Cemented 2 7/8" casing at 3462' w/200 ex. cement (class A w/1/2 gal). Ran GR/CCL log. 3299' w/1-3/8" JS. Treated down 2 7/8" casing w/35,000 gallons Humble Fluo and 23,400# sand. Snapped until well kicked off. Recovered load.

On OWS flowed 210 BOPD, but 0.2% BSW, thru 16/64" choke. PCP 70 - 130 psi. Gravity 36 deg. API. Official completion date 8-4-61.