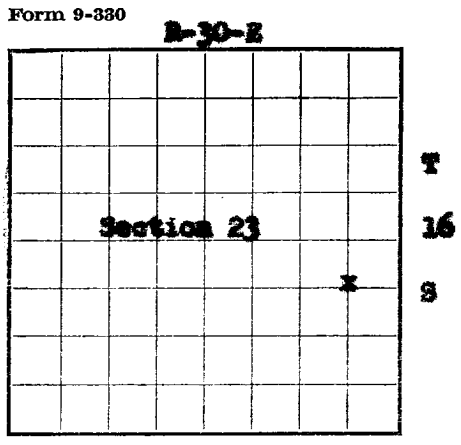
N. M. O. C. C. COPY

Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC-064637
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED FEB 19 1963 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 1858, Roswell, New Mexico

Lessor or Tract Henshaw Deep Unit Field Henshaw-Wolfcamp State New Mexico

Well No. 6 Sec. 23 T. 16S R. 30E Meridian NMPM County Eddy

Location 1980 ft. {N.} of S. Line and 660 ft. {E.} of E. Line of Section 23 Elevation 3833'
{S.} {W.} (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 Original Signed By R. A. Lowery ~~R. A. LOWERY~~

Date February 18, 1963 Title District Exploitation Engineer

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

Commenced drilling November 25, 19 62 Finished drilling January 16, 19 63

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 8762' to 8787' 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
10 3/4"	40.5#	8rd		507'					Surface
7 5/8"	24#	8rd	[illegible]	3067'					Intermediate
4 1/2"	9.5#	8rd	Lonestar	9951'	Float		8762'	8787'	Oil
	11.6#		J-55						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	510'	250	Pump & Plug	Cemented to surface	
7 5/8"	3055'	350	Pump & Plug	Cemented to surface	
4 1/2"	9963'	400	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 515 feet to 9500 feet, and from feet to feet

Cable tools were used from 0 feet to 515 feet, and from feet to feet

DATES

February 18, 19 63 Put to producing February 1, 19 63

The production for the first 24 hours was 169 barrels of fluid of which 62% was oil; -% emulsion; 38% water; and -% sediment. Gravity, °Bé. 41.6 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	515	515	Surface Sands, Caliche, Red Beds, Anhydrite
515	1445	930	Anhydrite, Sand, Shale
1445	2656	1211	Limestone & Sandstone
2656	2979	323	Sand, Dolomite
2979	5720	2741	Dolomite & Limestone
5720	7683	1963	Dolomite, Limestone, Shale
7683	9500	1817	Shale, Limestone, Dolomite
LOG TOPS:			
Yates	1445'	(+2388')	
Queen	2267'	(+1566')	
Grayburg	2658'	(+1175')	
San Andres	2979'	(+854')	
Yeso	4448'	(-615')	
Drinkard	5720'	(-1887')	
Abo	6464'	(-2631')	
Wolfcamp	7683'	(-3850')	
"Bake"	8234'	(-4401')	
Paymarker	8558'	(-4725')	

FOLD

MARK

[OVER]

16—42094-8

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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, 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 bailing.

Bonanza Deep Unit # 6 was spudded November 25, 1962 w/ cable tools. Drilled to 515'. Cemented 10 3/4" casing at 510'. Rigged up Rotary Tools. Drilled to 3055'. Cemented 7 5/8" casing at 3055'. Drilled 6 3/4" hole to 8675'. Cored from 8675' - 8727'. Drilled to 9500'. Ran logs. Cemented 4 1/2" casing at 9500'. Tested casing. Ran GR/ CCL log. Perforated 9266' - 9272' w/2 JSPF. Treated w/200 gallons 15% HCA. Swabbed dry. Treated w/2000 gallons 15% HCA. In last 8 hours swabbed 2 BW/hour. Set CIBP at 9190'. Perforated 8800', 8806', 8817', 8822 1/2', 8825 1/2', 8831', 8837', 8843', 8846', & 8848' w/1 JS. Treated w/500 gallons 15% acid. Swab tested 98% water. Squeezed perforations 8800' - 8826' w/20 sx, 8817' - 8848' w/100 sx. Perforated 8760' - 8787' w/2 JSPF. Treated w/200 gallons 15% acid. Swab tested. Treated w/1500 gallons 15% acid. Recovered load.

On OPT flowed 105 BOPD + 64 BWPD thru 15/64" choke. FTP 325 - 300 psi.

RECEIVED
OCT 18 1963
U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO