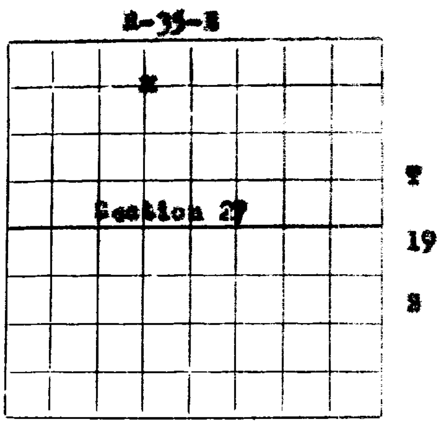
DUPLICATE

(Revised 7/1/52)
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

OFFICE OCC
1958 MAY 12 AM 8 01

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Shell Oil Company (Company or Operator) State PB (Lease)

Well No. 2, in NE ¼ of NW ¼, of Sec. 27, T. -19-S, R. -35-E, NMPM.

Pearl Queen Pool, Lea County.

Well is 660 feet from north line and 1980 feet from west line

of Section 27. If State Land the Oil and Gas Lease No. is B-5839

Drilling Commenced January 31, 19 58 Drilling was Completed February 13, 19 58

Name of Drilling Contractor Moran Drilling Company

Address Box 1718, Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3727. The information given is to be kept confidential until not confidential, 19

OIL SANDS OR ZONES

No. 1, from 4579' to 4585' No. 4, from 4854' to 4868'

No. 2, from 4664' to 4670' No. 5, from to

No. 3, from 4829' to 4839' No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	32#	new	304'				Surface String
5 1/2"	15.5#	new	4888'	Larkin		4579'-4585' 4664'-4670' 4829'-4839' 4854'-4868'	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8"	314'	300	Pump & Plug	Cemented to Surface	
7 7/8"	5 1/2"	4899'	700	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See attachment.

Result of Production Stimulation On OPT pumped 20 BO + 34 BWPD w/10-54" SPM.

Depth Cleaned Out 4874'

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 4900 feet, and from .... feet to .... feet.
Cable tools were used from .... feet to .... feet, and from .... feet to .... feet.

PRODUCTION

Put to Producing April 7, 1958

OIL WELL: The production during the first 24 hours was 94 barrels of liquid of which 37 % was was oil; .... % was emulsion; 63 % water; and .... % was sediment. A.P.I. Gravity 34.5 deg. API.

GAS WELL: The production during the first 24 hours was .... M.C.F. plus .... barrels of liquid Hydrocarbon. Shut in Pressure .... lbs.

Length of Time Shut in ....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico
T. Anhy	T. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates 3360' (+377')	T. Simpson	T. Pictured Cliffs
T. 7 Rivers 3847' (-110')	T. McKee	T. Menefee
T. Queen 4542' (-805')	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn
T. Tubbs	T.	T.
T. Abo	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	110	110	Surface & Red Beds				
110	1720	1610	Red Beds				
1720	3200	1480	Red Beds, Anhydrite, Salt				
3200	3890	690	Anhydrite				
3890	4030	140	Anhydrite & Dolomite				
4030	4900	870	Dolomite & Sand				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

May 8, 1958
(Date)

Company or Operator Shell Oil Company
Address Box 845, Roswell, New Mexico
Name R. L. Emary Part Rex C. Cabaniss
Position or Title District Exploitation Engineer

ATTACHMENT FOR NEW MEXICO STATE FORM C-105

STATE PB-2
Pearl Queen Field
Sec. 27-19S-35-E

1. Perforated 4854' - 4868' w/4 jet shots per foot. Then treated perforations w/250 gallons 7 1/2% MCA.
2. Treated w/10,000 gallons lease crude containing 1# sand/gallon & 0.1# Adomite/gallon.
3. In 7 hours swabbed 49 BF cut 92% water.
4. Set CIBP @ 4851' & capped with 1/2 sx. cement.
5. Perforated 4579' - 4585' w/4 jet shots per foot.
6. Hung 2" tubing @ 4590'.
7. Loaded hole w/oil. Treated thru perforations w/250 gallons 7 1/2% MCA. Treated via tubing & casing w/10,000 gallon lease crude containing 1# sand/gallon & 0.1# Adomite/gallon. Overflushed w/25 BO.
8. In 6 hours swabbed 6 BF cut 98% water.
9. Pulled 2" tubing & ran 2 1/2" tubing open-ended w/Baker FBRC.
10. Spotted 250 gallons MCA.
11. Raised tubing to 4550'.
12. Perforated 4664' - 4670' & 4829' - 4839' w/4 jet shots per foot.
13. Loaded hole w/oil. Treated formation via tubing w/20,000 gallons lease crude containing 1# sand/gallon & 0.1# Adomite/gallon in 4 stages using 51 ball sealers. Overflushed w/25 BO.
14. Pulled 2 1/2" tubing & ran 155 jts. 2" tubing & hung @ 4819'.
15. Ran 2" x 1 1/2" x 12' Sargent Pump & installed test pumping unit.
16. Pumped an average of 23 BFPD, cut 50% water, w/10-64" SPM.
17. Pulled rods & pump & moved out test pumping unit.
18. Cleaned out sand to 4848'.
19. Ran Retrievable bridge plug & FBRC on 2 1/2" tubing. Could not get below 4830'. Pulled tubing, packer & bridge plug.
20. Ran hydrostatic bailer on sand line for 15 hours & failed to clean out any sand.
21. Ran lead impression block w/no indication of obstructions.
22. Ran bit on tubing & cleaned out sand to 4647'. Circulated 2 hours. Pulled tubing & bit.
23. Ran Retrievable bridge plug & FBRC on 2 1/2" tubing. Bridge plug @ 4842'. FBRC @ 4775'.
24. Loaded hole w/oil. Treated casing perforations 4829' - 4839' via tubing w/10,000 gallons lease oil containing 1# sand/gallon & 0.1# Adomite/gallon. Overflushed w/30 BO.
25. In 16 hours flowed 180 BLO & died.
26. Reset retrievable bridge plug @ 4690' & FBRC @ 4630'. Loaded hole w/oil. Treated casing perforations 4664' - 4670' via tubing w/15,000 gallons lease oil containing 1# sand/gallon & 0.1# Adomite/gallon. Overflushed w/30 BO.
27. Flowed 80 BLO & died.
28. Pulled 2 1/2" tubing, retrievable bridge plug & FBRC.
29. Ran sand pump & cleaned out 6' sand.
30. Ran 2" tubing & hung @ 4830'.
31. Ran 2" x 1 1/2" x 12' pump.
32. Pulled rods, pump & tubing.
33. Cleaned out sand to PBTD 4848'.
34. Hung 2" tubing @ 4830'.
35. Ran 2" x 1 1/2" x 12' Sargent Pump.
36. In 24 hours pumped 5 BO + 5 BW w/12-54" SPM.
37. Pulled rods, pump & tubing.
38. Ran 4 3/4" bit on 2" tubing & drilled CIBP & cleaned out to 4874'. Pulled tubing & bit.
39. Ran 2" tubing & hung @ 4860'.
40. Ran 2" x 1 1/2" x 12' Sargent pump.

41. On OPT pumped 20 BOPD + 34 BWPD w/10-54" SPM. Gravity 34.8 deg. API. GOR 402.