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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No. E-5840-1

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name East Pearl Queen	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name	
2. Name of Operator Shell Oil Company		9. Well No. 56	
3. Address of Operator P. O. Box 1509, Midland, Texas 79701		10. Field and Pool, or Wildcat Pearl Queen	
4. Location of Well UNIT LETTER F LOCATED 1355 FEET FROM THE North LINE AND 2475 FEET FROM		12. County Lea	
THE West LINE OF SEC. 34 TWP. 19-S RGE. 35-E NMPM			
15. Date Spudded 9-26-69	16. Date T.D. Reached 10-13-69	17. Date Compl. (Ready to Prod.) 10-16-69	18. Elevations (DF, RKB, RT, GR, etc.) 3710' DF
19. Elev. Casinghead			
20. Total Depth 5053'	21. Plug Back T.D. 5017'	22. If Multiple Compl., How Many —	23. Intervals Drilled By Rotary Tools 0-5053'
24. Producing Interval(s), of this completion — Top, Bottom, Name 4725'-4957' Queen			25. Was Directional Survey Made No
26. Type Electric and Other Logs Run IL-3, SNP, GR/S, MLL, DIL-9, GR/CGL			27. Was Well Cored Yes
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
8 5/8"	24#	397'	300 ex.
5 1/2"	15.5#	5052'	345 ex.
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
30. TUBING RECORD		PACKER SET	
SIZE	DEPTH SET		
31. Perforation Record (Interval, size and number) 1/2" jet shot @ 4725', 4733', 4763', 4765', 4768', 4882', 4887', 4922', 4943', 4952', 4954', 4957' (12 holes).		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
4882'-4957'		2000 Gal. 15% NEA	
4725'-4768'		1500 Gal. 15% NEA	
4725'-4957'		30,000 gal. Lee. Crude Containing	
		17 Gal 20-40 Mesh Sand & 1/40# Gal. Adomite II.	
33. PRODUCTION			
Date First Production 10-16-69	Production Method (Flowing, gas lift, pumping — Size and type pump) Flowing		Well Status (Prod. or Shut-in) Producing
Date of Test 10-29-69	Hours Tested 24	Choke Size 12/64"	Prod'n. For Test Period 445
Flow Tubing Press.	Casing Pressure 400	Calculated 24-Hour Rate —	Oil — Bbl. 33
		Oil — Bbl.	Gas — MCF 4
		Gas — MCF	Water — Bbl. 75
		Water — Bbl.	Oil Gravity — API (Corr.) 32°
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented			Test Witnessed By M. R. Dillon
35. List of Attachments C-104, Deviation Logs			
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNED J. D. Duren		TITLE Staff Operations Engineer	
		DATE October 30, 1969	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1785'	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 3450'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3970'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 4650'	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
	2303		Anhydrite				
	3420		Anhydrite, salt				
	3987		Anhydrite, lime				
	4652		Lime, dolomite				
	4875		Lime				
	5053		Dolomite				
			DST #1				
			4976'-5013' (37' Queen Sand Zone 4).				
			Recovered 407' (2.1 bbls.) fluid				
			i.e. 5' oil cut mud				
			90' mud				
			380' salt water				

ATTACHMENT TO FORM C-105
EAST PEARL QUEEN UNIT WELL #56
UNIT LETTER F, SECTION 34, T-19-S, R-35-E,
LEA COUNTY, NEW MEXICO

Core #1 4735'-4789'

- 4735 - 37.4 - Dolo. IFA Gry w/scattered 1/4"-1/2" Anhy. Nodules & SH partings dull yellow fluor. No cut fluor. No cut.
- 4737.4 - 38.8 - SS, Gry, Fine grain & well sorted angular to subangular. Dull yellow sample fluor. Poor yellow cut fluor. No cut.
- 4738.8 - 42.8 - Dolo, IFA, Gry w/SH partings. Dull yellow sample fluor. Poor yellow cut fluor. No cut.
- 4742.8 - 44.2 - Dolo. III FB, blue-gry. Salt plugged. Dull gold sample fluor. Poor yellow cut fluor. No cut.
- 4744.2 - 53.7 - Dolo I/III FA gry w/numerous Anhy. nodules 1/4" & SH partings. Dull gold sample fluor. Poor yellow cut fluor. No cut
- 4753.7 - 54 - Anhy. Blue.
- 4754 - 55 - SS, Gry. Fine grain. Dull gold sample fluor. Poor yellow cut fluor. No cut.
- 4755 - 60.8 - Dolo, I/III FA, gry w/numerous SH partings. Shows A. A.
- 4760.8 - 70.6 - SS, Gry-White, fine grain w/good intergranular porosity & v/well sorted angular to subangular & w/scattered bright yellow sample fluor. Fair milky white cut fluor. No cut. Good oil odor. No visible oil show.
- 4770.6 - 71 - Anhy. blue.
- 4771 - 81.6 - Dolo IFA, Gry w/Argillaceous. SH breaks @ 4779.8-81.3. Numerous 1/4"-3/4" Anhy nodules. Dull gold sample fluor poor yellow cut fluor. No cut.
- 4781.6 - 84.6 - Dolo, I/III FA, gry w/numerous 1/4"-1" Anhy. nodules. Dull yellow sample fluor. Poor yellow cut fluor. No cut.
- 4784.6 - 86 - Dolo, IFA, gry w/numerous SH partings & 1/4" Anhy. nodules. Dull yellow sample fluor. No cut fluor. No cut.
- 4786 - 87 - Anhy, blue.
- 4787 - 89 - No recovery.

Core #2 4875-4929'

- 4875 - 80.4 - Dolo I/III FA gry w/Anhy. streaks. Fr yellow sample fluor. Good M. W. cut fluor. No cut. Gd. residual fluor.
- 4880.4 - 88.5 - S. S. FG v/well sorted angular, gry. Good interparticle porosity w/strong odor. Oil bleeding from pores throughout. Bright yellow sample fluor. v/good M. W. cut fluor. Amber cut.
- 4888.5 - 4905 - Dolo I/III FA gry Argillaceous w/Anhy. streaks & 1/4'-3/4" nodules from 4894-95. Good yellow sample fluor. Ft cut fluor. No cut
- 4905 - 06.8 - SS, FG, gry, well sorted, angular. Good interparticle $\emptyset$. Oil stained w/scattered bright yellow sample fluor. FR M.W. cut fluor. No cut.
- 4906.8 - 09 - Dolo III FA gry Argillaceous. No shows.
- 4909 - 11.5 - SS gry v/FG. V/well sorted & subangular. FR interparticle porosity w/scattered good yellow sample fluor. FR M. W. cut fluor. No cut.
- 4911.5 - 14.3 - Dolo I/III FA gry Argillaceous. Good yellow sample fluor. No cut fluor. No cut.
- 4914.3 - 19.8 - Dolo, IFA, Brn. SH partings. Good yellow sample fluor FT cut fluor. No cut.
- 4919.8 - 20.7 - SH. Blk.
- 4920.7 - 22.6 - SS, gry, FG, v/well sorted angular to subangular. Good interparticle porosity. Lt. stain. Dull yellow sample fluor. FR M. W. Cut fluor. No cut.
- 4922.6 - 29 - Dolo I/III FA gry Argillaceous. No shows.

Core #3 4928-4984'

- 4928 - 39.4 - Dolo, IFA, gry w/Anhy. streaks. Good yellow sample fluor. V/good M. W. Cut fluor. Amber cut.
- 4939.4 - 44.7 - SS, gry, fine-v/fine grain medium - well sorted. Good interparticle porosity. Ang. to subround, bleeding oil from pores, vertical & hairline fractures filled w/salt. V/bright - dull yellow sample fluor v/good M. W. cut fluor. Lt. amber cut.
- 4944.7 - 49 - Dolo, I/III FA, gry, dull yellow sample fluor, V/good M. W. cut fluor. Straw cut.
- 4949 - 60 - SS, gry fine grain, v/well sorted, ang. Good interparticle porosity bleeding oil from pores. Numerous vertical & hairline salt filled fracs. Bright yellow sam. fluor. V/good M. W. cut fluor. Dr. amber cut.
- 4960 - 66.8 - Dolo, IFA, gry, Argillaceous. No shows.

4966.8 - 69 - SS, gry fn - v/fn grain, medium - well sorted. Angl. - subround good interparticle porosity. Dull yellow sample fluor. Good M. W. cut fluor. No cut w/thin residual.

4969 - 83.4 - Dolo, IFA, gry, Argillaceous. Good yel. sam. fluor. Yellowish cut fluor. No cut.

4983.4 - 84 - SS, gry fn gr. v/well sorted, Ang. good interparticle porosity. Dull yellow, sam. fluor. Yellow cut fluor. No cut.

Core #4 4984-5010'

4984 - 91.5 - SS, gry F. G. v/well sorted, ang. good interparticle porosity. Bleeding oil in scatt. spots. Dull yel. sam fluor. FT M. W. Cut fluor. No cut.

4991.5 - 93.2 - Dolo, IFA, gry. Numerous SH partings. No shows.

4993.2 - 97 - Dolo, I/III FB, bm, good p.p. porosity. Good yellow SAM. Fluor. v/bright M. W. cut fluor. Lt straw cut.

4997 - 5000 - Dolo, IFA, gry, Argillaceous. Bright yel. SAM. Fluor. v/bright yel. cut fluor. Straw cut.

5000 - 09 - A. A. w/no shows.

5009 - 10 - No recovery.