

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See oil
instructions on
reverse side)

COPY TO O. G.

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Shell Oil Company						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1509, Midland, Texas 79702						8. FARM OR LEASE NAME Federal 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL, 1730' FEL						9. WELL NO. 2	
At top prod. interval reported below Same						10. FIELD AND POOL, OR WILDCAT Lusk Morrow (North)	
At total depth Same						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 3, T-19-S, R-32-E	
14. PERMIT NO.						13. STATE Lea New Mexico	
DATE ISSUED						12. COUNTY OR PARISH	
15. DATE SPUDDED 11-6-77		16. DATE T.D. REACHED 1-8-78		17. DATE COMPL. (Ready to prod.) 2-9-78		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3664.7 GR, 3680 KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 13,150					
21. PLUG, BACK T.D., MD & TVD 13,066		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY -		ROTARY TOOLS 0-13,150	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 12,781-12,892' Morrow						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-GR, CNL-FDC-GR, ML-MLL						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8"		48#		410'		17 1/2"	
8 5/8"		32#, 24#		4515'		11", 10 5/8"	
5 1/2"		15.5, 17, 20#		13150'		7 7/8"	
CEMENTING RECORD		AMOUNT PULLED					
400 Class C		None					
1500 Lite, 200 Class C		None					
225 Lite, 800 Class H		None					
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
-		-		-		-	
SCREEN (MD)		30. TUBING RECORD					
-		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
-		2 3/8"		12,725'		12,728'	
31. PERFORATION RECORD (Interval, size and number)							
12,781-12787', 12, 795-12,804', 12,821-12,825, 12,862-12,868', 12,874-12,880', 12,888-12,892' (Total 82 Holes).							
2 - .4" JSPF							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
12,781-12,892'				Spotted 400 gals 1% KCl water			
-				W/5 gals BJ-30A + 2500 gals			
-				7 1/2 % HCl.			
33.* PRODUCTION							
DATE FIRST PRODUCTION 2-9-78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 2-9-78		HOURS TESTED 5 hrs.		CHOKE SIZE 8/64"		PROD'N. FOR TEST PERIOD -	
FLOW. TUBING PRESS. 4253		CASING PRESSURE -		CALCULATED 24-HOUR RATE -		OIL—BBL. -	
-		-		-		GAS—MCF. 1193	
-		-		-		WATER—BBL. -	
-		-		-		OIL GRAVITY-API (CORR.) -	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold.							
35. LIST OF ATTACHMENTS Logs, Deviation Survey, C-122.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED J. D. D'Agostino		TITLE Senior Drilling Engineer				DATE FEB 22 1978	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Bone Springs	8460	8640	Water.
Bone Springs	9140	9235	Potential Hydrocarbons, water.
Wolfcamp	10,578	10,604	Hydrocarbons, water.
Morrow	12,168	12,180	Water
Morrow	12,780	12,894	Hydrocarbons
Morrow	13,036	13,088	Potential Hydrocarbons

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Rustler	1310		
Tansill	2800		
Yates Sand	3016		
Delaware Sand	5615		
Bone Springs	7209		
Bone Springs Sd.	7894		
Wolfcamp	10,490		
Des Moines Lime	11,622		
Atoka	11,817		
Morrow	12,330		
TD	13,150		