

UNITED STATES
DEPARTMENT OF THE INTERIOR
☒ GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)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 (Western Division)							
3. ADDRESS OF OPERATOR Post Office Box 1509, Midland, Texas 79701							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FWL & 660' FNL, Section 4, T-9-S, R-30-E, At top prod. interval reported below NMPM Survey, Chaves County, New Mexico At total depth _____							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 11-28-67				16. DATE T.D. REACHED 12-4-67		17. DATE COMPL. (Ready to prod.) 12-6-67	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4104' DF				19. ELEV. CASINGHEAD ---			
20. TOTAL DEPTH, MD & TVD 3547'		21. PLUG, BACK T.D., MD & TVD 3514'		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY ---	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3387' - 3446' San Andres		25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN BSGR, SNP, MLL, LL		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8"	24#	262'	12 1/4"	200 sacks		---	
4 1/2"	10.5#	3547'	7 7/8"	400 sacks		---	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3342'	3342'
31. PERFORATION RECORD (Interval, size and number) 3387', 3400', 3406', 3416', 3421', 3436', 3440', and 3446'				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				3387'-3446'		125 gallons 15%	
						4000 gallons 28% Acid	
33.* PRODUCTION							
DATE FIRST PRODUCTION 12-6-67		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 12-6-67	HOURS TESTED 9 1/2	CHOKE SIZE 22/64"	PROD'N. FOR TEST PERIOD ---	OIL—BBL. 112	GAS—MCF. 37	WATER—BBL. ---	GAS-OIL RATIO 330
FLOW. TUBING PRESS. 100	CASING PRESSURE ---	CALCULATED 24-HOUR RATE ---	OIL—BBL. 281	GAS—MCF. ---	WATER—BBL. ---	OIL GRAVITY-API (CORR.) 25.7° API	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented				TEST WITNESSED BY H. G. Starling			
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined by all available records Log, Deviation Record Original Signed J. D. Duren SIGNED J. D. Duren TITLE Staff Petrophysical Engineer DATE December 14, 1967							

ACCEPTED FOR RECORD* (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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	3387'	3446'	Oil bearing	Base Red Beds Yates San Andres San Andres Marker "A" Zone "B-C" Zone	964' 1510' 2675' 3226' 3378' 3463'	(+3139') (+2593') (+1428') (+ 877') (+ 725') (+ 640')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ADDRESS P. O. Box 1509, Midland, Texas 79701
 FIELD Cato-San Andres LEASE Amco Federal "A" WELL NO. 1
 LOCATION 660' FWL & 1980' FWL, Section 4, T-9-S, R-30-E, Chaves County, New Mexico

DEVIATION RECORD

270'	1°
782	1
1218	1 1/4
1728	1 1/4
1948	1
2446	1
2680	1 1/2
3070	1
3284	2
3546	1

Certification of personal knowledge of Deviation Record:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information is true and complete.

Sammy R. Morris
 Signature
ARD DRILLING COMPANY
 Company

STATE OF TEXAS
 COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared *S. B. Deal*, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is acting at the direction and on behalf of the operator of the well identified in this instrument and that such well was not intentionally deviated from the vertical.

S. B. Deal
 Signature
Division Drilling Superintendent
 Title

Sworn and Subscribed to before me, this the 7th day of December, 1967

James L. Giff
 Notary Public in and for Midland County,
 Texas.

RECEIVED
 DEC 15 1967
 U.S. GEOLOGICAL SURVEY
 ROSWELL, NEW MEXICO