

NM000 - 00000
NM000 - 00000
BLM - 00000UNITED 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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-0155254-A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Shell Oil Company (Western Division)		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Post Office Box 1509, Midland, Texas 79701		8. FARM OR LEASE NAME Amco Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL & 1980' FEL, Section 33, T-8-S, R-30-E, Chaves County, New Mexico At top prod. interval reported below Same At total depth Same		9. WELL NO. 6	
14. PERMIT NO. ---		10. FIELD AND POOL, OR WILDCAT Cato (San Andres)	
DATE ISSUED ---		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 33, T-8-S, R-30-E, NMPM Survey	
15. DATE SPUDDED 11-14-67		12. COUNTY OR PARISH Chaves	
16. DATE T.D. REACHED 11-19-67		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 11-23-67		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4137' DF	
20. TOTAL DEPTH, MD & TVD 3580'		19. ELEV. CASINGHEAD ---	
21. PLUG, BACK T.D., MD & TVD 3545'		22. IF MULTIPLE COMPL., HOW MANY* ---	
23. INTERVALS DRILLED BY ---		ROTARY TOOLS 0-3580'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3410'-3492' San Andres		CABLE TOOLS ---	
26. TYPE ELECTRIC AND OTHER LOGS RUN (Schlumberger) BSGR, SNP, LL/MLL, GR/CCL		25. WAS DIRECTIONAL SURVEY MADE Yes	
27. WAS WELL COBED No		27. WAS WELL COBED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24#	264'	12 1/4"
4 1/2"	10.45#	3580'	7 7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2"	3358'	3358'	
31. PERFORATION RECORD (Interval, size and number)			
3410', 3416', 3420', 3426', 3432', 3436', 3441', 3448', 3452', 3456', 3460', 3463', 3467', 3484', 3486', and 3492' (16 holes). 1 - 1/2" JSPF			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3410'-3492'		175 gallons 15% 7000 gallons 28% + 2 gallons/1000 A-130 and 4 gallons/1000 W-26	
33.* PRODUCTION			
DATE FIRST PRODUCTION 11-23-67		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 11-23-67	HOURS TESTED 6	CHOKE SIZE 22/64"	PROD'N. FOR TEST PERIOD 499
OIL—BBL. 125	GAS—MCF. 60	WATER—BBL. ---	GAS-OIL RATIO 480
FLOW. TUBING PRESS. 210	CASING PRESSURE ---	CALCULATED 24-HOUR RATE ---	OIL GRAVITY-API (CORR.) 24.3°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
TEST WITNESSED BY H. G. Starling			
35. LIST OF ATTACHMENTS Logs, Deviation Record			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
Original Signed By SIGNED N. W. Harrison N.W. Harrison TITLE Staff Exploitation Engineer DATE November 27, 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	3410'	3500'	Oil bearing - 10% porosity	Base Red Beds Yates San Andres San Andres Marker San Andres A Zone San Andres B-C Zone	997' 1538' 2702' 3250' 3400' 3484'	(+3140') (+2602') (+1435') (+ 887') (+ 737') (+ 653')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ADDRESS P. O. Box 1509, Midland, Texas 79701
 FIELD Cato-San Andres LEASE Amco Federal WELL NO. 6
 LOCATION 660' FSL & 1980' FEL of Section 33, T-8-S, R-30-E, Chaves County, New Mexico.

DEVIATION RECORD

268'	3/4°
762	1
1257	1 1/4
1760	1 1/4
2136	1 3/4
2168	1 3/4
2668	1 3/4
2780	1 1/2
3226	1 1/2
3383	2
3577	2

RECEIVED
 NOV 28 1967
 U. S. GEOLOGICAL SURVEY
 ALBUQUERQUE, NEW MEXICO

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.

[Signature] Manager
 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.

[Signature]
 Signature
DIVISION DRILLING SUPERINTENDENT
 Title

Sworn and Subscribed to before me, this the 27th day of NOVEMBER 27, 1967

[Signature]
 Notary Public in and for Midland County,