

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions 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. RESSVR. ☐	Other _____			
2. NAME OF OPERATOR Shell Oil Company							
3. ADDRESS OF OPERATOR P. O. Box 1509, Midland, Texas 79702							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL and 660' FEL. At top prod. interval reported below Same At total depth Same							
14. PERMIT NO.		DATE ISSUED					
5. LEASE DESIGNATION AND SERIAL NO.		NM-073394-A					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME		Corder Federal					
9. WELL NO.		4					
10. FIELD AND POOL, OR WILDCAT		Cato San Andres					
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA		Section 5, T-9-S, R-30-E					
12. COUNTY OR PARISH		Chaves					
13. STATE		New Mexico					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		
8-9-77	8-14-77	10-1-77	4090.20 GR				
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
3490	3448	-	→	0-3490	-		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE		
3362-3411' (San Andres)					No		
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED		
DLL-GR, BHC-GR, SNP-GR, MLL-ML					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"	32#	253	12 1/4"	150 sx	-		
5 1/2"	15.5#	3490	7 7/8"	1760 sx	-		
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	3428	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
INTERVAL	SIZE	AMOUNT AND KIND OF MATERIAL USED					
3409-3411 (2 holes)		1100 gals 20% NEA					
3362-3395 (7 holes)		200 gals 20% NEA					
1-4" JSPF							
33. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10-1-77	Pumping 20-150-RWBC-16-4	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-1-77	24	-	→	60	35	228	583
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
35	35	→				22.8	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold						Clyde Mathews	
35. LIST OF ATTACHMENTS							
2 sets logs, deviation survey							

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
Senior Drilling Engineer

DATE 10-7-77

*(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 38, 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.																								
San Andres	2656	3411	<table border="1"> <thead> <tr> <th>NAME</th> <th>MEAS. DEPTH</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Base Red Beds</td> <td>933</td> <td></td> </tr> <tr> <td>Yates</td> <td>1487</td> <td></td> </tr> <tr> <td>San Andres</td> <td>2656</td> <td></td> </tr> <tr> <td>San Andres Marker</td> <td>3203</td> <td></td> </tr> <tr> <td>"A" Zone</td> <td>3352</td> <td></td> </tr> <tr> <td>"B-C" Zone</td> <td>3433</td> <td></td> </tr> <tr> <td>TD</td> <td>3490</td> <td></td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	Base Red Beds	933		Yates	1487		San Andres	2656		San Andres Marker	3203		"A" Zone	3352		"B-C" Zone	3433		TD	3490	
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ARTESIA OFFICE COPY INCLINATION REPORT

OPERATOR Shell Oil Company ADDRESS P.O. Box 1509, Midland, Texas 79701
 LEASE NAME Corder Federal #4 WELL NO. 4 FIELD _____
 LOCATION Section 5, T-9S, R-30E, Chaves County, New Mexico

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
253	1/2	2.2011	2.2011
718	1/4	2.0460	4.2471
1205	1/2	4.2369	8.4840
1689	1/2	4.2108	12.6948
1889	1/2	1.7400	14.4348
2271	1/2	3.3234	17.7582
2532	1/2	2.2707	20.0289
3000	1/2	4.0716	24.1005
3394	3/4	5.1614	29.2619
3490	63/4	1.2576	30.5195

RECEIVED

OCT 11 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

Garlin Taylor
 TITLE Garlin Taylor, Admn. Asst.

AFFIDAVIT:

Before me, the undersigned authority, appeared Garlin Taylor known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Garlin Taylor
 AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 17th day of August, 19 77

MY COMMISSION EXPIRES MARCH 1, 1980

SEAL

James L. Dwyer
 Notary Public in and for the County
 of Lea, State of New Mexico

RECEIVED

OCT 18 1977

O. C. C.
ARTESIA, OFFICE

RECEIVED

OCT 21 1977

CIL CONSULTING COMM.
HOBBS, R. M.