

NMOCC - ARTESIA
NMOCC - R000S
BLM - SANTA FEUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICAT

(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 ☐
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 660' FSL & 1980' FWL, Section 33, T-8-S, R-30-E,

NMPM, Chavez County, New Mexico

At top prod. interval reported below

At total depth

SAME

SAME

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

1-2-68

16. DATE T.D. REACHED

1-7-68

17. DATE COMPL. (Ready to prod.)

1-11-68

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4133' DF

19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD

3560'

21. PLUG, BACK T.D., MD & TVD

3524'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-3560'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

3402' - 3478' San Andres

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

SNP, BSGR, LL, 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	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	263'	12 1/4"	200 sacks	---
4 1/2"	10.5#	3560'	7 7/8"	400 sacks	---

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3312'	3312'

31. PERFORATION RECORD (Interval, size and number)

3402', 3408', 3412', 3417', 3422', 3426',
3430', 3440', 3442', 3446', 3448', 3470',
3472', 3475', and 3478'

1 - 1/2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3402'-3478'	6000 gallons 28% HCl + 2 gallons per 1000 gallons R-10 and 3 gallons per 1000 gallons NM-225

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1-11-68		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-11-68	13	18/64"	→	194	66	6	340
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
190	--	→	358	120	11	27.7° API	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

H. G. Starling

35. LIST OF ATTACHMENTS

Deviation Record, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Original Signed By J.D. Duren
SIGNED J. D. DUREN

TITLE Staff Petrophysical Engineer DATE January 16, 1968

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 23 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
San Andres	3401'	3481'	Hydrocarbon bearing Hydrocarbon and water bearing	Base Red Beds	990'	(+3143')
	3483'	3518'		Yates	1523'	(+2610')
				San Andres	2683'	(+1450')
				San Andres Marker	3231'	(+ 902')
				"A" Zone	3380'	(+ 753')
				"B-C" Zone	3464'	(+ 669')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ADDRESS P. O. Box 1500, Midland, Texas 79701
 FIELD Cato (San Andres) LEASE Amco Federal WELL NO. 12
 LOCATION 660' FBL & 1980' FwL, Section 33, T-8-S, R-30 E

DEVIATION RECORD

264'	=	1/4°
750'	=	1/2°
1250'	=	3/4°
1506'	=	1/4°
2207'	=	1 1/2°
2257'	=	2 3/4°
2745'	=	1 1/4°
2796'	=	1 1/4°
3095'	=	1/4°
3300'	=	3/4°
3360'	=	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.