

UNITED STATES

SUBMIT IN DUPLICATE

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

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 0155254-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Amco Federal

9. WELL NO. **3**

10. FIELD AND POOL, OR WILDCAT

Cato (San Andres)

11. SEC., T., R., M., OR BLOCK AND SURVEY

Section 33, T-8-S, R-30-E, NMPM

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

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

P.O. Box 1509, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface **660' FWL & 660' FNL, Section 33, T-8-S, R-30-E,**

NMPM Survey, Chaves County, New Mexico

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

10-21-67

16. DATE T.D. REACHED

10-27-67

17. DATE COMPL. (Ready to prod.)

10-29-67

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

4148 DF

19. ELEV. CASINGHEAD

-

20. TOTAL DEPTH, MD & TVD

3550'

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

3513'

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

ROTARY TOOLS

10-3550

CABLE TOOLS

-

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

3398' - 3450' (San Andres)

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Schlumberger SNP, BSGR, L/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#	269'	12 1/4	200 Sacks	-
4 1/2"	10.5#	3550'	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"	3315	3315

31. PERFORATION RECORD (Interval, size and number)

3398', 3403', 3407', 3410', 3413', 3417', 3422', 3424', 3428', 3430', 3433', 3439', 3443', 3447', and 3450'. (15 holes)

1 - 1/2" JS/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3398'-3450'	5000 gallons 28% Super X + 2 gallons/1000 A-110, 4 gallons/1000 gallons W-26 & 5#/1000 gallons J-120

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
10-29-67		Flowing					producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
10-29-67	12	16/64"	→	130	51	15	392	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
165	-	→	259	103	31	26.4° API		

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

Vented

35. LIST OF ATTACHMENTS

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 **J. D. DUREN**

TITLE **Staff Petrophysicist, U.S. GEOLOGICAL SURVEY**

November 3, 1967

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

ACCEPTED FOR RECORD

RECEIVED

NOV 07 1967

[Signature]

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:			38. GEOLOGIC MARKERS		
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	DESCRIPTION, CONTENTS, ETC.		NAME	TOP	
	TOP	BOTTOM		MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	3380	3452	Oil bearing Water bearing	1016	(+3132')
	3460	3475		1519	(+2629')
			San Andres	2692	(+1456')
			San Andres Marker	3229	(+ 919')
			Slaughter A Zone	3380	(+ 769')
			Slaughter BC Zone	3466	(+ 682')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR SHELL OIL COMPANY ADDRESS P.O. BOX 1579, MIDLAND, TEXAS 797 1
 FIELD Cato (San Andres) LEASE And Federal WELL NO. 3
 LOCATION 66 ' P.M. and 66 ' P.M., Section 33, T-8-S. R-3 -E. NPM Survey, Chavez County, N.M.

DEVIATION RECORD

275' = 1"
 1226' = 1"
 177' = 1 1/4"
 2567' = 1 1/4"
 3141' = 1 1/2"
 3537' = 1 1/4"

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.

H. H. Crim H. H. Crim
 Signature
 Shell Oil Company
 Company

STATE OF TEXAS
 COUNTY OF MIDLAND

B. H. Crim Before me, the undersigned authority, on this day personally appeared B. H. Crim, 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.

H. H. Crim H. H. Crim
 Signature
 Acting Division Drilling Superintendent
 Title

Sworn and Subscribed to before me, this the 31st. day of October, 19 67

RECEIVED

NOV 07 1967

U. S. GEOLOGICAL SURVEY
 ROSWELL, NEW MEXICO

[Signature]
 Notary Public in and for Midland County,
 Texas.