

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.71389 - ARIZONA
NM385 - NEW MEXICO
CLM - SAN ANTONIO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *7

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 797014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1980' FSL & 1980' FWL, Section 22, T-8-S, R-30-E,**
MPM Survey, Chavez County, New Mexico
At top prod. interval reported below
Same
At total depth
Same14. PERMIT NO. DATE ISSUED
" "15. DATE SPUDDED **9-10-67** 16. DATE T.D. REACHED **9-16-67** 17. DATE COMPL. (Ready to prod.) **9-19-67**18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4162' DF** 19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD **3630'** 21. PLUG, BACK T.D., MD & TVD **3593'** 22. IF MULTIPLE COMPL., HOW MANY* **"** 23. INTERVALS DRILLED BY **0-3630'** ROTARY TOOLS CABLE TOOLS24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3460', 3491', San Andres25. WAS DIRECTIONAL SURVEY MADE
Yes26. TYPE ELECTRIC AND OTHER LOGS RUN
(Schlumberger) GNP, MLL/LL, BOGR27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING METHOD	AMOUNT PULLED
9 5/8"	53.54	475'	11"	250 Sacks	
4 1/2"	9.34 & 11.64	3629'	7 7/8"	400 Sacks	

SEP 27 1967

U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3365'	3365'

31. PERFORATION RECORD (Interval, size and number)

**3460', 3463', 3471', 3475', 3477', 3480',
3483', 3486', 3489', 3491', (10 Bores)****1-1/2" JS/ft.**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3460 to 3491	4000 gals 28% Super X + 2 gal/ 1000 gal A-110, 4 gal/1000 gals W/26 & 50/1000 gals J-170

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut in)	
9-19-67		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-23-67	24	-	→	60	9	126	150
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	→	60	9	126	24.9° API	

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

Vented

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 **J.D. Duren**
SIGNED IN **NEW MEXICO**TITLE **Staff Petrophysical Engineer** DATE **September 26, 1967**

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

ACCEPTED FOR RECORD
J. N. Sutherland
District Engineer

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		DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
	3490	3512			MEAS. DEPTH	TRUE VERT. DEPTH
San Andres			Hydracarbon bearing	Base Red Bed	1037'	(+3106')
			Water bearing	Yates	1586'	(+2577')
				San Andres	2740'	(+1423')
				San Andres Marker	3283'	(+680')
				Slaughter A Zone	3440'	(+723')
				Slaughter B C Zone	3527'	(+636')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company (Western Div.) ADDRESS P. O. Box 1524, Midland, Texas 79701
 FIELD Cato (San Andrea) LEASE Hodges Federal C WELL NO. 1
 LOCATION 1980' FUL & 1980' FUL (SU/4 NE/4), Section 22, T-2-S, R-30-E, NDEP Survey, Carmona County, New Mexico.

DEVIATION RECORD

104'	= 1/4°
479'	= 1 1/2°
1009'	= 1 1/4°
1510'	= 1 1/4°
2009'	= 1°
2350'	= 1 1/4°
2836'	= 1/4°
3286'	= 1/2°
3370'	= 3/4°
3514'	= 1/4°
3630'	= 3/4°