

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.MOCC - ARTESIA
MOCC - MOJOS
M - SANTA FE

5. LEASE DESIGNATION AND SERIAL NO.

NM-022636

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hodges Federal "B"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Cato (San Andres)

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

Section 34, 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 ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other SEP 8 1967

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' FNL & 660' FNL Sec. 34, T-8-S, R-30-E, NMPM Survey, Chaves County, New Mexico

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

August 18, 1967

15. DATE SPUDDED

8-23-67

16. DATE T.D. REACHED

8-31-67

17. DATE COMPL. (Ready to prod.)

9-3-67

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

4155' DF Est.

19. ELEV. CASINGHEAD

-

20. TOTAL DEPTH, MD & TVD

3700'

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

3662'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-3700'

CABLE TOOLS

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

3500' - 3547' San Andres

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-Sonic, SNP, LL, MLL, GR/CCL

27. WAS WELL CORED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	53.5	468'	12 1/4"	250 Sx.	-
4 1/2"	10.5	3698'	7 7/8"	400 Sx.	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3399'	3399'

31. PERFORATION RECORD (Interval, size and number)

One 1/2" Jet shot at 3500', 3504', 3508', 3520', 3526', 3530', 3537', 3547', (8 Holes).

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3662'	175 gal. 15% HCl W/gal A-110
3399'-3662'	4000 gal Dowell 28% Super X. with 2 gal/1000 gal A-110, 2 gal/1000 gal W/26 and 54/1000 gal J-120

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-3-67		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-4-67	24	22/64"	→	388	101	96	260
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
110 psi		→	-	-	-	23.3°	

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

Vented

TEST WITNESSED BY

H. G. Starling

35. LIST OF ATTACHMENTS

Logs and Deviation Record

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

SIGNED J. D. DurenTITLE Staff Petrophysical EngineerDATE Sept. 6, 1967

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

ACCEPTED FOR RECORD

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 83, 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	TOP	TRUE VERT. DEPTH
San Andres	3500'	3548'	Hydro carbon bearing	Red Beds	1102		+3075
CORE #1	3569'	3584'	" " and wtr. bearing	Yates	1610		+1567
3479-3487'				San Andres	2792		+1385
3487-3533'				San Andres Marker	3332		+845
3502-3504	Anhydrite			"A" Zone	3486		+691
3517-3533'	Dolomite, brown. I/III & III/I. Vertical frac partially and completely filled with anhydrite.			"BC" Zone	3568		+609
3499-3533'	B&C porosity. B porosity. Bleeding oil from open frac & from Vugs.						
CORE #II							
3533' - 3543'	Dolomite IVFA & I/III FAB, Lt. to dk brown, core badly broken oil stained, bleeding mostly water.						
3543' - 3553'	Dolomite, IVFA, I/III FAB, Lt. & dk brown, bleeding mostly water through fractures.						
3553' - 3556'	Limey dol. IVFA, Lt to dk. brown, almost complete lack of fractures.						