

NMDC - ALBUQUERQUE
BLM - SANTA FEUNITED 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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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 A Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Cato (San Andres)

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREASection 27, T-8-S, R-30-E
NMPH12. 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 1980' FSL and 1980' FWL Section 27, T-8-S,

R-30-E, Chaves County, New Mexico

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

-

-

15. DATE SPUDDED

9-18-67

16. DATE T.D. REACHED

9-25-67

17. DATE COMPL. (Ready to prod.)

9-29-67

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

4170' DF

19. ELEV. CASINGHEAD

-

20. TOTAL DEPTH, MD & TVD

3675'

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

3638'

22. IF MULTIPLE COMPL.,
HOW MANY*

-

23. INTERVALS
DRILLED BY

→

ROTARY TOOLS

0-3675

CABLE TOOLS

-

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

3532', 3488' (San Andres)

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Sidewall Neutron Porosity Log

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"	32#, 24#	462'	12 1/4"	300 Sacks	1000'
4 1/2"	15.5#	3675'	7 7/8"	400 Sacks	1000'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACER SET (MD)
					2"	3384'	3384'

31. PERFORATION RECORD (Interval, size and number)

3488', 3492', 3494', 3498', 3506',
3510', 3512', 3513', 3517', 3522', 3528',
3529', and 3532'. (10 Holes)
1 1/2" JS/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3488'-3532'	5000 gals 28% + 2 gal/1000 R-10, 2 gals/1000 225-X + 5#/1000 FRA-3.

33.* PRODUCTION

DATE FIRST PRODUCTION

9-29-67

PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)

Flowing

WELL STATUS (Producing or
shut-in)

Producing

DATE OF TEST

10/1/67

HOURS TESTED

15

CHOKE SIZE

24/64"

PROD'N. FOR
TEST PERIOD

→

OIL--BBL.

230

GAS--MCF.

124

WATER--BBL.

70

GAS-OIL RATIO

539

FLOW. TUBING PRESS.

170

CASING PRESSURE

-

CALCULATED
24-HOUR RATE

→

OIL--BBL.

367

GAS--MCF.

197

WATER--BBL.

134

OIL GRAVITY-API (CORR.)

23.3°

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

Vented

TEST WITNESSED BY

H. G. Starling

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

SIGNED

J. D. Duren

J.D. Duren

TITLE Staff Petrophysicist Engineer

DATE October 5, 1967

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

ACCEPTED FOR RECORD

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
San Andres	3480 3550	3540 3600	Hydrocarbon Bearing Hydrocarbon and Water Bearing

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres Marker	3318	(+ 852)
Slaughter A Zone	3470	(+700)
Slaughter B Zone	3552	(+618')

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ADDRESS P. O. Box 1512, Midland, Texas 79701
 FIELD Cato (San Andres) LEASE Rodgers Federal WELL NO. 1
 LOCATION 1940' P.O.L. & 1940' P.O.L. section 37, 1-2-2, 2-10-2, NMPN Survey, Chase County, S.M.

DEVIATION RECORD

172' = 1 1/2°
 463' = 1 1/2°
 1020' = 1 1/4°
 1500' = 1°
 2007' = 1 1/2°
 2572' = 1 1/4°
 2713' = 1 1/4°
 2971' = 1°
 3503' = 1 1/4°
 3516' = 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.

[Signature] G. B. Deal
 Signature
Shell Oil Company
 Company

STATE OF TEXAS
 COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared G. B. Deal, 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.

[Signature] G. B. Deal
 Signature
Division Drilling Superintendent
 Title

Sworn and Subscribed to before me, this the 3rd day of October, 19 67

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