

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

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOBS OFFICE D. C. C.

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL ☐ GAS ☐ DRY ☐ Other PLA

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 2080' FNL & 660' FEL, Sec. 24, T-8-S, R-31-E, NMPM

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

12. COUNTY OR PARISH Ciudad	13. STATE New Mexico
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15. DATE SPUDDED 2-17-68	16. DATE T.D. REACHED 2-25-68	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4400' DF	19. ELEV. CASINGHEAD
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20. TOTAL DEPTH, MD & TVD 4200'	21. PLUG, BACK T.D., MD & TVD 4165'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0-4200'	CABLE TOOLS
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	25. WAS DIRECTIONAL SURVEY MADE
Yes	Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN	27. WAS WELL CORED
Schlumberger SNP LL Lane Wells GR-CCL	No

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"	36#, 47#, 53.5#	427'	12 1/4"	250 sacks	
4 1/2"	10.5#	4199'	7 7/8"	425 sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3899'	3899'

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
See attachment	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See attachment	

33.* PRODUCTION	
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
MAY 6 7 1968							

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
					2.5. GECLO	

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

35. LIST OF ATTACHMENTS

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 Petrophysical Engineer DATE April 26, 1966

ACCEPTED FOR RECORD, *(See Instructions and Spaces for Additional Data on Reverse Side)

J. N. Suthakorn

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	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TR. DEPTH
San Andres	4023	4110'	Water bearing	Base Red Beds	1576'	2825'	
				Yates	2100'	2801'	
				San Andres	3300'	1101'	
				San Andres Mkr.	3854'	1647'	
				Slaughter A	4008'	393'	
				Slaughter B-C	4092'	309'	

9330 - Andrews Federal 1

Perforation Record (Interval, size & number)

4026', 4031', 4033', 4037', 4040', 4046', 4048', 4052' & 4054'

Squeezed

4026', 4031', 4033', 4037', 4040', 4046', 4048'

Squeezed

4025', 4026', 4031', 4033', 4037', 4038', 4040'

1/2"/ft.

Acid, shot, fracture, cement squeeze, etc.

Depth Interval	Amount & kind of material used
4026' - 4054'	4000 gallons 28% + additives squeeze cemented w/150 sacks
4026' - 4048'	3000 gallons 28% HCl + additives squeeze cemented w/100 sacks
4025' - 4040'	2000 gallons 28% HCl + additives

HUBBS OFFICE O. C. C.
NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ADDRESS P. O. Box 1509, Midland, Texas 79701
FIELD Bach Area LEASE Andrews Federal WELL NO. 1
LOCATION 2080' FNL & 660' FNL, Section 24, T-8-S, R-31-E, Chaves County, New Mexico

DEVIATION RECORD

428'	2°
947	1 1/2
1438	1 1/4
1942	1 1/2
2094	1 1/4
2592	2
3022	1
3344	1 1/4
3535	1
3815	1
3947	1
4032	1
4136	1
4200	3/4

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.

James E. Morris
Signature
ARD DRILLING COMPANY
Company

STATE OF TEXAS
COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared J.A. WANAMAKER, 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.

J.A. WANAMAKER
Signature
DIVISION DRILLING SUPERINTENDENT
Title

Sworn and Subscribed to before me, this the 3rd day of MAY, 19 68

Notary Public in and for Midland County, Texas.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the experimental procedures and the statistical analysis performed.

3. The third part of the document presents the results of the study, including a comparison of the experimental findings with the theoretical predictions. It also discusses the implications of the results for future research and practice.

4. The fourth part of the document provides a summary of the key findings and conclusions of the study. It highlights the main contributions of the research and offers suggestions for further investigation.

5. The fifth part of the document contains a list of references to the literature cited in the paper. It includes both primary and secondary sources, as well as relevant books and articles.

6. The sixth part of the document is a concluding statement that reiterates the main points of the paper and expresses the author's appreciation for the support and assistance received during the course of the research.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP*
(Other instructor
verse side) ATE* re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-025585 NM040286

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shell Andrews Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 24, T-8-S, R-31-E,

NMPN

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

1. OIL WELL ☐ GAS WELL ☐ OTHER **P&A**

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.*
See also space 17 below.)

At surface 2080' FNL & 660' FEL, Section 24, T-8-S, R-31-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4400' DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

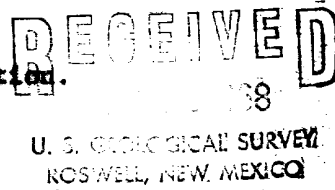
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Work 4 1/2" casing free.
2. Set plug in 4 1/2" stub.
3. Pull casing.
4. Set plug.
5. Pull casing.
6. Set plug @ surface.
7. Erect marker.

APPROVED SUBJECT TO THE FOLLOWING PLUGGING PROGRAM:

1. Plug from 3,950' to T. D.
2. 100' plug across top of 4 1/2" casing stub.
3. 100' plug across the top of the Yates formation.
4. Plug from 375' to 475'
5. 20' plug at the surface.
6. Erect 4" x 10' marker.

(This plugging program was given by phone
on February 26, 1968)

18. I hereby certify that the foregoing is true and correct

Original Signed By

SIGNED N. W. HarrisonN. W. HarrisonTITLE Staff Exploitation Engineer DATE April 22, 1968

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.