

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

See other instructions on reverse side

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

LC-062483

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

North Square Lake
Premier Unit

8. FARM OR LEASE NAME

North Square Lake
Premier Unit

9. WELL NO.

14

10. FIELD AND POOL, OR WILDCAT

North Square Lake QB/BA

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

Sec 6, T-16-N, R-31-E

NMPL

12. COUNTY OR

Eddy

13. STATE

New Mexico

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

b. TYPE OF COMPLETION:

NEW WELL ☒WORK OVER ☐DEEP-EN ☐PLUG BACK ☐DIFF. RESVR. ☐Other ☐

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2. NAME OF OPERATOR

Shell Oil Company (Western Division)

AUG 15 1966

3. ADDRESS OF OPERATOR

P. O. Box 1509, Midland, Texas 79701

O. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any ANTEENAPPROPRIATE

At surface 660' FSL & 1629' FWL (Unit V), Section 6, T-16-N,

R-31-E, NMPL Survey, Eddy County, New Mexico

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7-21-66

16. DATE T.D. REACHED

7-27-66

17. DATE COMPL. (Ready to prod.)

8-5-66

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

3979' DF

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3277'

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

3222'

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-3277'

CABLE TOOLS

-

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

3176'-3189' Premier Sand (Water Injection)

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR Acoustic w/Caliper

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
7 5/8"	29.7#	227'	9 5/8"	100 SA	-
4 1/2"	9.5#	3277'	6 1/4"	375 SA	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3300'	3304'

31. PERFORATION RECORD (Interval, size and number)

3176', 3177', 3178', 3179',
3181', 3182', 3183', 3187',
3188', 3189'

1-3/8" JGPT

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3176'-3189'	1000 gallons 15% NEA
3176'-3189'	20,000 gallons water + 400# WG-7 + 200# WLL-2 + 2.5# Ammonia
	Peraculfate + 30,000# 20-40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

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

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS

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

None

Original Signed By

N. W. Harrison

N. W. Harrison

TITLE Senior Exploration Engineer

DATE August 8, 1966

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

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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Base Red Beds	0	600	Red Beds, Sandstone, Shale	Premier Sand	3163' (+816')	
	600	1855	Anhydrite & Salt	San Andres	3217' (+762')	
	1855	3163	Sandstone, Shale, Anhydrite, Dolomite			
Premier Sand	3163	3217	Sandstone, Shale, Saltstone, Dolomite			
San Andres	3217	3300	Dolomite, Shale & Sandstone			

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Shell Oil Company ✓ ADDRESS P. O. Box 1509, Midland, Texas 79701
 FIELD 2nd. North Square Lake UG/A LEASE North Square Lake Premier Unit WELL NO. 14
 LOCATION 660' PBL & 1629' PBL, Section 6, T-16-S, R-11-E, NMJM Survey, Eddy County, New Mexico

DEVIATION RECORD

230' = 1°
 720' = 3/4°
 1200' = 1°
 1650' = 1 1/4°
 2150' = 1°
 2530' = 1 1/2°
 3010' = 1/2°
 3265' = 1°

RECEIVED

AUG 15 1966

O. C. C.
 ARTESIA, OFFICE

RECEIVED
 AUG 12 1966
 U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

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]
 Signature
Shell Oil Company
 Company

B. B. Deal

STATE OF TEXAS
 COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared B. 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]
 Signature
Division Drilling Superintendent
 Title

Sworn and Subscribed to before me, this the 4th day of August, 19 66

M. N. Gray
 Notary Public in and for Midland County