

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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 ☐ TA

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' FWL & 1980' FWL (NE/4 NW/4) Section 25, T-16-S, R-30-E, NMJM Survey, Eddy County, New Mexico

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

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

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, PFOX-ML, GR/N

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42	519'	16"	500 SA.	"
8 5/8"	32	3168'	11"	770 SA.	"
5 1/2"	15.5# & 17#	6900'	7 7/8"	200 SA.	"

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

8765' - 8766'	2/ft.	1/2"
8767' - 8768'	2/ft.	1/2"
8769' - 8770'	2/ft.	1/2"
8764' - 8769'	2/ft.	1/2"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8765' - 8770'	500 gallons 1% HRA
8765' - 8770'	Squeezed w/42 ex. at 5500 psi
8764' - 8769'	1000 gallons 1% HRA
8764' - 8769'	2000 gallons 1% HRA

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	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

Item 37 - Summary of Porous Zones and Item 38-Geologic Markers

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

SIGNED P. W. Huber P. W. Huber TITLE Division Production Geologist DATE June 17, 1966

7. UNIT AGREEMENT NAME

14-08-001-6453

Henshaw Deep Unit

8. FARM OR LEASE NAME

Henshaw Deep Unit

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT

Henshaw-Wolcamp

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

Sec. 25, T-16-S, R-30-E, NMJM

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

RECEIVED

JUN 23 1966

ARTESIA OFFICE

RECEIVED

JUN 23 1966

U.S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

*** (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, 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 agency responsible for the completion of the report. For instructions on items 99 and 94, and 23 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.), formations, 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 Federal office for specific instructions. Attachments given in other spaces on this form and in any attachments.

or Federal office for specific instructions. (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. 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. Item 19: 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. Item 20: 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. Item 21: 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. Item 22: 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. Item 23: 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. Item 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 23. Submit a separate report (page) on this form, adequately identified, showing the additional data pertinent to such interval.

the additional data pertinent to such interval, showing the additional data pertinent to the cementing stage, cementing and the location of the cementing tool.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cement. (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	TRUE VERT. DEPTH

Attachment for USGS Form 9-330
June 17, 1966

Shell Oil Company
Henshaw Deep Unit # 16
Henshaw-Wolfcamp
Sec. 25, T-16-S, R-30-E,
NMPM Survey, Eddy County, New Mexico

Item 37. Summary of Porous Zones

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIPTION, CONTENTS ETC.</u>
Surface Beds	0	1483'	Surface Beds, Clay and Shale.
Yates	1483'	2320'	Sand and Siltstone
Queen	2320'	3020'	Limestone w/interbedded Shale
San Andres	3020'	6508'	Limestone and Shale
Abo	6508'	7750'	Shale
Wolfcamp	7750'	8900'	Limestone and Shale Stringers
Wolfcamp	8836'	8900'	DST # 1: 8836' - 8900' (64' lower Wolfcamp). Tool open 1 hour 25 minutes (including 5 minutes preflow) thru 5/8" BC, 4 1/2" DP w/good blow. GTS 32 minutes, decreased to no blow at end of flow period. TSTM. Recovered 6907' (108 bbls.) black sulfur water. Temp. 126 deg. 90 minutes ISIBHP 3291 psi. FBHP 1096 - 3186 psi. 120 minutes FSIBHP 3266 psi. HMP 4269 - 4269 psi. Recovered water titrated 11,000 ppm Cl ⁻ . Pit mud titrated 1600 ppm Cl ⁻ . Conclusive Test. (Johnston)
Wolfcamp	8762'	8797'	DST # 2: 8762' - 8797' Straddle Test. (35' lower Wolfcamp). Tool open 83 minutes (including 9 minutes preflow). GTS 28 minutes. Increased to strong blow, decreased to good. Bottom packer started leaking at beginning of flow period. Recovered 1608' (23 bbls.) oil cut mud. 90 minutes ISIBHP 3180 psi. FBHP 135 - 772 psi hydrostatic. 75 minutes FSIBHP hydrostatic. HMP 4219 - 4219 psi. Inconclusive Test. (Johnston)
Wolfcamp	8760'	8828'	DST # 3: 8760' - 8828' (68' lower Wolfcamp). Tool open 2 hours 15 minutes thru 5/8" BC & 4 1/2" DP. Opened w/good blow. GTS 8 minutes, TSTM. Increased to strong blow and continued throughout. No fluid to surface. Reversed out. Recovered 5 BO + 93 bbls. black sulfur water. BHT 124 deg. Recovered water titrated 11,000 ppm Cl ⁻ . Pit mud titrated 1700 ppm Cl ⁻ . 90 minutes ISIBHP 3227 psi. FBHP 573 - 2935 psi. 120 minutes FSIBHP 3255 psi. HMP 4245 - 4245 psi. Conclusive Test. (Johnston)

Item 38 - Geologic Markers

Base Red Beds	228' (+3600')
Yates	1483' (+2345')
Queen	2320' (+1508')
San Andres	3020' (+808')
Abo	6508' (-2680')
Wolfcamp	7750' (-3922')
Map Datum	8668' (-4840')