

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLIC 20

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

(See other instructions on reverse side)

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 ☐

2. NAME OF OPERATOR

Harlan Oil Company

748-3434

OIL & GAS U.S. GEOLOGICAL SURVEY

3. ADDRESS OF OPERATOR

P O Box 668

Artesia, N. M 88210

ROSWELL, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

989' FNL & 1629" FWL

Sec. 22, 19 S., R. 28 E.

At top prod. interval reported below

At total depth

AUG 05 1981

O. C. D.

ARTESIA, OFFICE

14. PERMIT NO.

DATE ISSUED

7. UNIT AGREEMENT NAME

5. FARM OR LEASE NAME

Welch Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

East Millman Q GB

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

22-19S-28E

12. COUNTY OR PARISH

Eddy

13. STATE

N M

15. DATE SPUDDED

5/12/81

16. DATE T.D. REACHED

6/10/81

17. DATE COMPL. (Ready to prod.)

6/14/81

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

3419 G L

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

2725

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

2650

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

1760-1778 Grayburg

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron

27. WAS WELL CORED

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"	24#	317'	11"	300 sx	
4 1/2"	10.50#	2704'	7 7/8"	325 sx	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2"	1788'	

31. PERFORATION RECORD (Interval, size and number)

1760-1778 18 holes 1 shot per ft

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1760-1778	frac w/ 500 bbls gelled wtr 1# sand per gallon

33.* PRODUCTION

DATE FIRST PRODUCTION

7/1/81

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

pumping

WELL STATUS (Producing or shut-in)

prod.

DATE OF TEST

7/1/81

HOURS TESTED

24

CHOKE SIZE

PROD'N. FOR TEST PERIOD

15

OIL—BBL.

GAS—MCF.

-0-

WATER—BBL.

5

GAS-OIL RATIO

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

15

OIL—BBL.

GAS—MCF.

0

WATER—BBL.

5

OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY

Charlie Butler

35. LIST OF ATTACHMENTS

Gamma Ray Neutron Log, Drift Record

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

SIGNED

SECRETARY

JUL 29 1981

DATE

7/22/81

*(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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
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				TOP	TRUE VERT. DEPTH
				RUSTLER	403'
				T. SALT	458'
				B. SALT	541'
				YATES	760'
				SEVEN RIVERS	1196'
				QUEEN	1626'
				GRAYBURG	1760'

STEWART BROTHERS DRILLING CO. - LIFT RECORD

Client: HARLAN OIL CO

Well #: Welch Federal #3

[illegible]

CERTIFICATION

Pusher

Date _____

Appeared before me this date to
certify and affirm the above to
be a true and accurate record.

RECEIVED
JUL 24 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Notary Brenda Felsen Comm.

COMMISSION EXPIRES MARCH 27, 1982