

UNITED 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.

5. LEASE DESIGNATION AND SERIAL NO.

NM 01124

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Willard Beatty

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Lazy "J" Penn.

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

Section 35-138-33E

12. COUNTY OR
PARISH

Lea

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

Skelly Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 730, Hobbs, New Mexico

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

At surface 1650' FSL & 2310' FWL Section 35-138-33E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10-18-66

16. DATE T.D. REACHED

11-15-66

17. DATE COMPL. (Ready to prod.)

11-19-66

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

4216' DF

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9900'

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

9843'

22. IF MULTIPLE COMPL.,
HOW MANY*

--

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-9900'

CABLE TOOLS

--

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

9807-9838' - Intervals - Wolfcamp

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger: Microlog, Dual-Induction-Laterolog,
Borehole Compensated Sonic-Gamma Ray

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
11-3/4"	31.20#	358'	15"	300	--
8-5/8"	32# & 24#	4200'	11"	400	--
5-1/2"	17#	9900'	7-7/8"	500	--

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8"	9839'	9584'

31. PERFORATION RECORD (Interval, size and number)

100 casing at the following intervals:

Perf. 5-1/2"

9807 - 9822' - (15') - 30 shots

9834 - 9838' - (4') - 8 shots

A total of 19' and 38 shots.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9807-9838'	1000 gals. Spearhead Acid

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-19-66		Flow				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-21-66	24	18/64"	→	300	422	0	1407
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
530#	Packer	→	300	422	0	41°	

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

Sold

TEST WITNESSED BY

B. L. Holley

35. LIST OF ATTACHMENTS

None

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

SIGNED

(SIGNED) H. E. Aab

TITLE

District Superintendent

DATE

November 28, 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 33.

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: "Seals 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 POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, FISHMAN USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	U.S.	GEOLOGIC MARKERS	MEAS. DEPTH	TRUE VERT. DEPTH
DRILL STEM TEST NO. 1 9680' 9780' (Wolfcamp)				3/4" bottom choke, adjustable top				
choke. Tool open 15 minutes, opened with strong blow, gas to surface in 5 minutes, shut in 1 hour, opened tool with slight blow. Tool open 3 hours and 25 minutes for final flow with slight blow of gas throughout test. Closed tool one hour for final buildup. Reversed out 3 barrels oil and gas cut drilling mud, 33 barrels oil, 26 barrels salt water and 2 barrels muddy salt water. Pulled test tool with no recovery. INHFP 935 psi, FMSIP 2421 psi, one hour INHFP 2598 psi, one hour FMSIP 2532 psi, Initial Hydrostatic pressure 4422 psi, Final Hydrostatic pressure 4444 psi, bottom hole temperature 148 degrees. Gravity of oil 42.6 at 69 degrees.						Anhydrite Salt Base Salt Yates Seven Rivers Red Sand Queen Grayburg San Andres Glorieta Clear Fork Tubb Fullerton Abo Wolfcamp Huaco of West Huaco of East Pay Line (Bo" A") Bough "B" Bough "C" Pennsylvanian	1753' 1826' 2546' 2629' 2763' 3389' 3534' 3746' 4026' 5516' 6187' 6930' 7058' 7664' 9066' 9208' 9256' 9672' 9739' 9798' 9898'	
DRILL STEM TEST NO. 2 9786' 9900' (Bough "C")				Packer set at 9786', 3/4" bottom				
choke, 1" top choke, tool open 15 minutes on preflow, opened with good blow with gas to surface in 3 minutes, shut in one hour for initial buildup, opened tool with good blow of gas, mud to surface in 28 minutes, oil to surface in 30 minutes. Flowed 30 minutes through 1" choke, recovered 38-1/2 barrels oil. Surface flowing pressure 200 psi. Gas measured 749 MCF. Set top choke at 32/64" for 30 minutes, recovered 24 barrels oil, pressure increased to 455 psi. Gas measured 605 MCF. Set choke at 40/64" and continued flowing. Flowed 1 hour through 40/64" choke, recovered 46 barrels oil, surface flowing pressure 325 psi, gas measured 981 MCF. Next 1 hour through 40/64" choke, flowed 52 barrels oil, cut 3/10 of 1% mud, pressure 335 psi, gas measured 943 MCF. Flowed a total of 3-3/4 hours, recovered 160-1/2 barrels oil. Reversed out 50 barrels oil. Pulled test tool. INHFP (15 min.) 1577-1677 psi, one hour FMSIP 2659 psi, Initial Hydrostatic pressure 4567 psi, Final Hydrostatic pressure 4498 psi, ran drill pipe and conditioned hole to run casing.								