N. M. O. C. C.

Form 9-330
(Rev. 5-63)

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*

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

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: 660' FSL and 1980' FWL Section 22-17S-31E
At top prod. interval reported below:
At total depth:

5. LEASE DESIGNATION AND SERIAL NO.: LC-029419 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: Skelly Unit

8. FARM OR LEASE NAME: ---

9. WELL NO.: 56

10. FIELD AND POOL, OR WILDCAT: Grayburg Jackson

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 22-17S-31E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. PERMIT NO.: ---

DATE ISSUED: ---

Deepening Record

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
---	April 27, 1967	May 1, 1967	3835' DF	---

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
3711' MD	3709' MD	---	→	3580-3710'	---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Injection Zones - 3237-3569' - Grayburg
3607-3698' - San Andres

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: McCullough - Gamma Ray Neutron and Caliper Log.

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
		See Completion Log dated September 10, 1958.			

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29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2" OD	3400'	3710'	100	-

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3585'	3585'

31. PERFORATION RECORD (Interval, size and number)
Perforated 4-1/2" OD liner from 3237' to 3698' with a total of 32 shots.
(See Attached Sheet for Detail)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3607-3698'	1,000 gals. 15% reg. Acid.
3483-3569'	750 gals. 15% reg. Acid.
3237-3468'	1,000 gals. 15% reg. Acid.
3237-3468'	15,000 gals. water & 15,000# 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION: ---

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Water Injection Wells

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.	OIL GRAVITY-API (CORR.)
--	- -	→	Water Injection Well		---	

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

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS
See Attached Sheet for detail of deepening.

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

SIGNED _____ TITLE District Superintendent DATE May 3, 1967

*(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.
---	0	3580	See completion log dated September 10, 1958.
San Andres	3580	3711	Dolomite
DERIVING RECORD			
See Attached Sheet			

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

DEEPENING RECORD FOR SKELLY UNIT WELL NO. 56

1. Moved in and rigged up workover rig.
2. Pulled tubing and packer.
3. Ran drill pipe and 6-1/4" bit.
4. Deepened well from 3580' to 3711'. TD 3711'.
5. Ran McCullough Gamma Ray Neutron and Caliper log to 3711'.
6. Set 9 joints (310') of new 4-1/2"OD 10.5# casing liner 3400-3710' and cemented with 100 sacks of cement.
7. Tested liner with no pressure loss.
8. Drilled and cleaned out cement inside of 4-1/2"OD liner to 3709'. PBTD 3709'.
9. Perforated 4-1/2"OD liner with one shot per interval at the following depths: 3237', 3252', 3265', 3311', 3325', 3349', 3359', 3378', 3399', 3409', 3427', 3435', 3446', 3459', 3468', 3483', 3492', 3508', 3516', 3531', 3547', 3554', 3562', 3569', 3607', 3622', 3631', 3657', 3661', 3677', 3685' and 3698', a total of 32' and 32 shots.
10. Isolated and treated through 4-1/2"OD liner perforations 3607-3698' (intervals) with 1,000 gallons 15% regular acid and 12 ball sealers.
11. Isolated and treated through 4-1/2"OD liner perforations 3483-3569' (intervals) with 750 gallons 15% regular acid and 12 ball sealers.
12. Isolated and treated through 4-1/2"OD liner perforations 3237-3468' (intervals) with 1,000 gallons 15% regular acid and 20 ball sealers.
13. Isolated and treated through 4-1/2"OD liner perforations 3237-3468' (intervals) with 15,000 gallons water, 15000# 20/40 sand and 3 ball sealers.
14. Pulled retrievable bridge plug.
15. Set Baker Model "F" Production Packer at 3585'.
16. Ran 2-3/8"OD tubing with Baker Model "E" Seal Assembly and set in packer at 3585'.
17. Installed dual injection equipment.
18. Water will be injected down the tubing into the San Andres Formation through 4-1/2"OD liner perforations 3607-3698' (intervals) and down the casing-tubing annulus into the Grayburg Formation through 4-1/2"OD liner perforations 3237-3569' (intervals).
19. No tests on injection.