

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. 0543827	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ ARTESIA, OFFSHORE ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UNIT AGREEMENT NAME Forty Niner Ridge Unit FARM OR LEASE NAME Forty Niner Ridge Unit SURVEY NO.	
2. NAME OF OPERATOR Skelly Oil Company		10. FIELD AND POOL, OR WILDCAT Forty Niner Ridge - Morrow Gas	
3. ADDRESS OF OPERATOR P. O. Box 1351, Midland, Texas 79701		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 23 Sec. 21-228-30E	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface Unit Letter "G", 1980' FNL & 1380' FNL, Sec. 21-238-30E At top prod. interval reported below At total depth		12. COUNTY OR PARISH Eddy 13. STATE New Mexico	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 7-17-74	16. DATE T.D. REACHED 11-1-74	17. DATE COMPL. (Ready to prod.) 11-23-74	18. ELEVATIONS (DF, REB, RT, GR, ETC.) * 3213' DF
19. ELEV. CASINGHEAD --	20. TOTAL DEPTH, MD & TVD 14,600'		
21. PLUG BACK T.D., MD & TVD 14,340'	22. IF MULTIPLE COMPL., HOW MANY *	23. INTERVALS DRILLED BY Surface - 14,600'	24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 13,805-14,156' Morrow
25. WAS DIRECTIONAL SURVEY MADE No			26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog, BHC Sonic Log, Compensated Neutron-Formation Density 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
30" OD	79.44	30'	36"
20" OD	94	723'	26"
13-3/8" OD	61.88, 72	3379'	17-1/2"
7-5/8" & 7-3/4" OD	43.47	11364'	8-1/2"
CEMENTING RECORD			
6 Yards ready-mix			
1850 Sacks			
2900 Sacks			
2650 Sacks			
29. LINNER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENTS
4-1/2" OD	11,048'	14,597'	500 Sacks
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-1/8" OD	12,500'	12,500'	
2-7/8" OD	45'	--	
31. PERFORATION RECORD (Interval, size and number)			
13,805-13,809', 13,998-14,020', 14,020-14,036', and 14,116-14,156', 0.25 diameter holes, total 88 shots.			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
13,805-14,156'	6500 gals. 7-1/2% HCl acid		
	177 ball sealers		
	200 MCF Nitrogen		
33. PRODUCTION			
DATE FIRST PRODUCTION 11-23-74	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or Shut-in) Shut-in
DATE OF TEST 12-4-74	HOURS TESTED 8-1/2 hrs.	CHOKE SIZE 24/64"-12/64"	PROD'N. FOR TEST PERIOD 0
FLOW. TUBING PRESS. 8814-1747#	CASING PRESSURE --	CALCULATED 24-HOUR RATE 0	OIL—BBL. 0
GAS—MCF PD 2195-1920		WATER—BBL. 31	GAS-OIL RATIO --
OIL GRAVITY-API (CORR.) --			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut in waiting for gas pipeline connection			
35. LIST OF ATTACHMENTS Form 9-331, Dual Laterolog, BHC Sonic Log, Compensated Neutron - Formation Density Log			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (Signed) D. R. Crow SIGNED D. R. Crow TITLE Lead Clerk DATE 12-19-74			

*(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: CORDED 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	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	5876'	5980'	TEST No. 1 - Tested through 5/8" top and 3/4" bottom chokes. Opened tool 15 min., no air blow. SI 60 min. for ISIP. Tool open 60 min., weak to good air blow. SI 120 min. for PSIP. No gas show. Recovered 3 gallons oil, 20 gallons water and 2400' gas. Sample chamber recovery: 1800 cc water. IHP 2791#, IFF 116#, ISIP 1165#, FFP 163#, PSIP 1197#, FWP 2791#. MNT 100°.	Delaware Line Delaware Sand Cherry Canyon Bene Spring First Sand Second Sand Wolfcamp Strawn	3602' 3625' 4723' 7400' 8453' 9353' 10400' 12654'	
Cherry Canyon	7044'	7162'	TEST No. 2 - Tested through 1" top and 3/4" bottom chokes. Opened tool 15 min., weak air blow increasing to strong air blow. SI 60 min. for PSIP. Tool opened 60 min., strong air blow. SI 120 min. for FWP. Recovered 1760' gas, 275' water with trace of oil. IHP 3255#, IFF 140#, ISIP 1816#, FFP 187-233#, PSIP 2188#, FWP 3612#. MNT 95°.	Atoka Ivanovia Bank Morrow Base Morrow Sd.	12922' 13102' 13646' 14552'	

(Continued)

Skelly Oil Company
Forty Niner Ridge Unit Well No. 2
1980' FNL & 1980' FEL, Sec. 21-23S-30E
Eddy County, New Mexico

Form 9-330 Section 37 (Continued)
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<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Description, Contents, Etc.</u>
Bone Springs	8657'	8734'	DST No. 3 - Opened tool 15 min., weak blow of air increasing to good air blow. SI 60 min. for ISIP. Tool open 60 min., strong blow air throughout. SI 120 min. for FSIP. Pulled test tool, recovered 200' water, 10 gals. oily water, no gas. IHP 3859#, IFP 109-141#, ISIP 555#, FFP 141-141#, FSIP 2764#, FHP 3917#, BHT 105°F.
Morrow Halliburton	13,777'	13,883'	DST No. 4 - Used 3800' water blanket. Tested through 3/8" top and 1/2" bottom chokes. Opened tool 40 min., strong air blow. SI 100 min. for ISIP. Tool opened 120 min., flowed 3800' water blanket and 3900 MCF gas at 1800#. SI for FSIP 120 min. IHP 6663#, IFP 2016-3601#, ISIP 6821#, FFP 2079-2460#, FSIP 6538#, FHP 7134#. BHT 170°.

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DEC 23 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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DEC 24 1974

D. C. C.
ARTESIA, OFFICE

DEVIATION AFFIDAVIT
Date 12-19-74

New Mexico Oil Conservation Commission

Drawer DD

Artesia, New Mexico 88210

State of Texas

County of Midland

D. R. Crow, of lawful age, being first duly sworn deposes and says:

That he is employed by Skelly Oil Company in the capacity of Lead Clerk

and is fully acquainted with the facts as set forth herein.

That during the months of July, Aug., Sept. & Oct. 1974, Marcum Drilling Company
ran the following Deviation Surveys for Skelly Oil Company on their Forty Niner Ridge
Well No. 2 in SW 1/4 of NE 1/4 of Sec. 21-23S-30E, NMPM, Forty Niner
Ridge-Morrow Gas Pool, Eddy County, New Mexico.

SLOPE TEST DATA

<u>Depth In</u>	<u>Angle in Degrees</u>
120'	1/4°
238'	1/4°
325'	1/4°
450'	1/4°
550'	1/4°
650'	1/4°
724'	0°
806'	1/4°
1118'	1/4°
1485'	3/4°
1850'	3/4°
2035'	1°
2228'	1°
2690'	1-1/4°
2970' (Continued)	1-3/4°

Subscribed and sworn to before me this 19th

day of December, 19 74.

J. R. AVENT Notary Public
Midland County, Texas
J. R. Avent

Notary Public in and for said County and State

My commission expires: June 1, 1975

<u>Depth In</u>	<u>Angle in Degrees</u>
3580'	1°
3875'	3/4°
4375'	1-1/4°
4530'	3/4°
5065'	3/4°
5560'	3/4°
5980'	3/4°
6255'	1/2°
6746'	1/2°
7140'	1°
7649'	1-1/2°
8145'	3/4°
8645'	1°
8734'	1-1/4°
9270'	1/2°

I hereby certify that the information
given above is true and complete to the
best of my knowledge and belief.

D. R. Crow

Name D. R. Crow

Lead Clerk

Position

P. O. Box 1351, Midland, Texas 79701
Address

DEVIATION AFFIDAVIT (CONTINUED)

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December 19, 1974

SLOPE TEST DATA

<u>Depth In</u>	<u>Angle in Degrees</u>
9737'	1/2°
9955'	1°
10520'	3/4°
10706'	1/4°
11300'	1/4°
11780'	1°
12150'	0°
12575'	5-3/4°
12608'	5-3/4°
12745'	4-1/2°
12899'	3-1/2°
13207'	2°
13489'	1-3/4°
13831'	2°
14065'	1-1/2°
14245'	1°
14375'	1-3/4°