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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1c. TYPE OF WELL	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>
2. TYPE OF COMPLETION	
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>
DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
DIFF. RESVR. <input type="checkbox"/>	OTHER <input type="checkbox"/>

7. Unit Agreement Name
8. Farm or Lease Name
E. L. Richardson
9. Well No.
1
10. Field and Pool, or Wildcat
Undesignated McDonald Penn

2. Name of Operator	
Skelly Oil Company	
3. Address of Operator	
P. O. Box 1351, Midland, Texas 79701	
4. Location of Well	
UNIT LETTER	0
LOCATED	1980
FEET FROM THE	East
LINE AND	660
FEET FROM	
THE South	LINE OF SEC. 33
TWP. 13S	RGE. 36E
NMPM	

12. County
Lea

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 14, 1972	May 16, 1972	May 25, 1972	3965' D. F.	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
11,385'	10,416'			0-11,385'

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
10,300-10,309' (Bough "A")

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Acoustilog with Caliper and Gamma Ray; Dual Drill Stem Tests No.1 and 2; Induction Focused Log with SP; Dip Log; Gamma

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well) Ray Collar Log.					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5 & 61#	422'	17-1/2"	450 sacks	None
8-5/8"	32#	4580'	11"	1825 sacks	None
5-1/2"	20 & 17#	10,505'	7-7/8"	400 sacks	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	10,219'	10,219'

31. Perforation Record (Interval, size and number)
10,300-10,309'; two 3/8" holes per foot (9'; 18 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,300-10,309'	750 gals. 15% MBA acid
10,300-10,309'	500 gals. 15% NE acid and 1500 gals. 15% RA-1 Acid
10,300-10,309'	5,000 gals. 15% RA-1 acid; 2500

33. PRODUCTION							
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)						
May 25, 1972	Flowing						
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
July 9, 1972	24	32/64"		26	89	1	3243:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
50#	0#		26	89	1	38.8°	

Well Status (Prod. or Shut-in)
Producing

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented (will be sold)

Test Witnessed By

35. List of Attachments
Summary of Drill Stem Tests; Dual Induction Focused Log; BHC Acoustilog; Gammatron Depth Control

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. Log

SIGNED	J. R. Avent	TITLE	Dist. Admin. Coordinator	DATE	July 12, 1972
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>2130'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3090'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4544'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>6112'</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. Rough "B" <u>10,343'</u>
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. Rough "C" <u>10,380'</u>
T. Tubb <u>7490'</u>	T. Granite _____	T. Todilto _____	T. Cisco <u>10,540'</u>
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. Canyon <u>11,293'</u>
T. Abo <u>8204'</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9745'</u>	T. Clear Fork <u>6826'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Hueco <u>9984'</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. Bough "A" <u>10,300'</u>	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	1872	1872	Sand and Redbeds				
1872'	2493	621	Anhydrite and Salt				
2493'	3172	679	Salt				
3172'	3397	225	Anhydrite, Gyp and Salt				
3397'	3810	413	Anhydrite and Salt				
3810'	4205	395	Anhydrite and Gyp				
4205'	4580	375	Anhydrite and Lime				
4580'	8553	3973	Lime				
8553'	8717	164	Lime and Abo				
8717'	8940	223	Lime and Shale				
8940'	10,166	1226	Lime				
10,166'	10,468	302	Lime and Shale				
10,468'	10,530	62	Lime				
10,530'	10,714	184	Lime and Shale				
10,714'	11,385	671	Lime				

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OIL CONSERVATION COM. CAL.

H. J. ...

Summary of Drill Stem Tests;

Drill Stem Test #1: 10,260-10,300' (Bough "A"). 5/8" BHC, 1/4" THC.

Opened tool at 8:25 a.m. 5-8-72 for 10-minute preflow; had blow immediately with strong blow throughout flow, gas to surface in 22 minutes; shut in 1 hour; opened 1 hour on final flow, had blow immediately with strong blow throughout test. Last 20 minutes measured 74 MCFGPD. Recovered 1300' of oil (16 barrels), 40.9 gravity at 60° F. plus 30' of gas- and oil-cut mud. Pressures: 10-min. IFP 131#; 1-hour ISIP 3461#; FFP 310#; 2-hour FSIP 3346# IH 5254#; FH 4960#. In sample chamber recovered 525 cc's of oil, 1.56 cu. ft. gas; did not get pressure; plugged off with shale.

Drill Stem Test #2: 10,510-10,532' (Cisco Canyon). 5/8" BHC and

1/2" THC. Opened Tool at 6:20 a.m. 5-11-72 for 10-minute preflow; had immediate blow, good throughout test; shut in 1 hour; opened one hour on final flow, had good blow immediately with strong blow throughout test. No gas to surface. Recovered 1000' (14 bbls.) of fresh water blanket; 2450' (31 bbls.) sulphur water, trace of oil, no mud, no gas. Pulled out of hole with test tools. Pressures: 10-minute IFP from 0-580#; 1-hour ISIP 580-4115#; FFP 580-1332#; 2-hour FSIP 1332-4115#; IH 4976#, FH 4993#. In sample chamber had 100# pressure, no cc's oil, 2560 cc's water with 3000 ppm chlorides.

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OIL CONSERVATION COMM.
HOELS, R. L.