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Form C-105
Revised 1-1-65

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

**THIS WELL WAS FORMERLY THE
HOBBS "Q" WELL NO. 1**

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-8491

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER Water Supply	7. Unit Agreement Name -----
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER	8. Farm or Lease Name Jal Water System
2. Name of Operator Skelly Oil Company	9. Well No. 5
3. Address of Operator P. O. Box 1351, Midland, Texas 79701	10. Field and Pool, or Wildcat Capitan Reef

4. Location of Well UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 16 TWP. 24S RGE. 36E NMPM	12. County Lea
---	--------------------------

15. Date Spudded 9-28-70	16. Date T.D. Reached 9-29-70	17. Date Compl. (Ready to Prod.) 9-29-70	18. Elevations (DF, RKB, RT, GR, etc.) 3388' DF	19. Elev. Casinghead 3379'
20. Total Depth 4500'	21. Plug Back T.D. -----	22. If Multiple Compl., How Many -----	23. Intervals Drilled By -----	Rotary Tools 4212-4500'
24. Producing Interval(s), of this completion - Top, Bottom, Name Capitan Reef 3870-4500'				25. Was Directional Survey Made No
26. Type Electric and Other Logs Run None				27. Was Well Cored

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
No Change					

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None							

31. Perforation Record (Interval, size and number) None	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	3733-3747'	200 sacks regular cement

33. PRODUCTION							
Date First Production 9-29-70		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 320 HP Rada				Well Status (Prod. or Shut-in) Producing	
Date of Test 9-29-70	Hours Tested 1	Choke Size -----	Prod'n. For Test Period -----	Oil - Bbl. -----	Gas - MCF -----	Water - Bbl. 800	Gas - Oil Ratio -----
Flow Tubing Press. -----	Casing Pressure -----	Calculated 24-Hour Rate -----	Oil - Bbl. -----	Gas - MCF -----	Water - Bbl. 19,200	Oil Gravity - API (Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) -----						Test Witnessed By -----	

35. List of Attachments None
--

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.		
SIGNED (Signed) J. R. Avent	TITLE Dist. Adm. Coordinator	DATE Oct. 2, 1970

DISTRICT OFFICE
FILE COPY W

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 _____	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 _____	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 _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

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HO3BS, N. H.

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-8491
7. Unit Agreement Name -----
8. Farm or Lease Name Hobbs "qn"
9. Well No. 5
10. Field and Pool, or Wildcat Capitan Reef
12. County Lea

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Water Supply Well
2. Name of Operator Skelly Oil Company
3. Address of Operator P. O. Box 1351, Midland, Texas 79701
4. Location of Well UNIT LETTER C , 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 24S RANGE 36E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3388' DF

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER **Deepen, acidize and recomplate** ☒
in Capitan Reef as the Jal water
supply Well No. 5

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The Seven Rivers zone was squeezed, the well was deepened, the Capitan Reef was acidized and recompleted as Water Supply Well No. 5 for our Jal water system, as follows:

1. Moved in and rigged up workover rig Sept. 22, 1970. Pulled rods and tubing.
2. Reran tubing with "RTTS" packer set at 3623'. Halliburton squeezed perforations 3733-3747' with 200 sacks regular cement. WOC 24 hours. Pulled tubing and packer.
3. Drilled out cement to 3770', tested squeeze on Seven Rivers perforations 3733-3747' to 500# for 30 minutes, held OK.
4. Drilled cement to 3833', drilled out float collar at 3833', drilled casing shoe at 3870', drilled to TD 4212' and drilled new hole to TD of 4500'. Pulled drill pipe.
5. Ran 320 HP Reda pump on 5-1/2" OD casing; set top of pump at 1938', bottom at 2012'.
6. Hooked to water supply system and began producing from Capitan Reef open-hole section 3870-4500' on Sept. 29, 1970, at rate of 19,200 bbls. water per day.

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

SIGNED (Signed) J. R. Avent

TITLE Dist. Adm. Coordinator

DATE Oct. 2, 1970

APPROVED BY *John W. Runyan*
CONDITIONS OF APPROVAL, IF ANY:

TITLE Geologist

DATE OCT 7 1970

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OCT - 6 1970

**OIL CONSERVATION COMM.
HOODS, N. H.**

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-8491	
7. Unit Agreement Name	
--	
8. Farm or Lease Name	
Hobbs "Q"	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Jalmat (Seven Rivers)	
12. County	
Lea	
19. Proposed Depth	19A. Formation
4500'	Capitan Reef
20. Rotary or C.T.	
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug Bond
3388' DF	Blanket Bond No. 1253688
21B. Drilling Contractor	22. Approx. Date Work will start
Pool Company	Immediately

1a. Type of Work	
b. Type of Well	
DRILL <input type="checkbox"/>	DEEPEN <input checked="" type="checkbox"/>
PLUG BACK <input type="checkbox"/>	
OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>
OTHER <input type="checkbox"/>	SINGLE ZONE <input type="checkbox"/>
2. Name of Operator	
Skelly Oil Company	
3. Address of Operator	
P. O. Box 1351, Midland, Texas 79701	
4. Location of Well	
UNIT LETTER C	LOCATED 660'
FEET FROM THE North LINE	
AND 1980'	FEET FROM THE West LINE OF SEC. 16
TWP. 24S	RGE. 36E
NMPM	
23.	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	No Change				

We propose to squeeze off the Seven Rivers producing zone, deepen the well to 4500', acidize the Capitan Reef (open hole section 3870' - 4212') and utilize this zone as a water supply well for our Jal Water System. The proposed work is as follows:

- (1) Pull rods and tubing.
- (2) Run RTTS tool, set at about 3650', squeeze Seven Rivers producing interval (3733-47') with 750 sacks cement. Pull out of hole.
- (3) Run tubing and bit.
- (4) Clean out inside 9-5/8" OD casing to PBTD of 3833', test to 500#, drill out casing shoe and clean out to TD of 4212' and drill deeper to 4500'.
- (5) Acidize with 5,000 gals. of 15% regular acid for completion in Capitan Reef interval (open hole 3870-4212') as water supply well.
- (6) Run 5-1/2" OD tubing and 320 HP Reda pump and set at 2000'.
- (7) Hook up chemical treating equipment and circulate well. Test.
- (8) Put on production for water supply service.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE FLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed (Signed) J. R. Aven Title Dist. Adm. Coordinator Date June 15, 1970

(This space for State Use)

APPROVED BY Leslie M. Clement TITLE Oil & Gas Inspector DATE JUN 17 1970

CONDITIONS OF APPROVAL, IF ANY:

1970

1981

INTERIOR DEPT. BUREAU

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JUN 15 1970

OIL CONSERVATION COM. A.
HOBBS, N. M.