

## GEOLOGICAL SURVEY

September 27, 1973

File: ~~Shelly Unit~~ Doe  
Doe 73617 66818

Your letter of September 13, 1973 requests approval to operate a waterflood project in the Grayburg-Jackson formations on that portion of oil and gas lease Las Cruces 029418(b) described as all of sec. 11, T. 17 S., R. 31 E., N.M.P.M., Eddy County, New Mexico.

The flood pattern would be 80-acre 5-spot, and on a pattern with the surrounding waterflood projects. The plan proposes to convert to water injection the following wells with additional conversions contingent upon common boundary agreements being made or other suitable arrangements:

<u>Well Number and Lease</u>	<u>Location</u>
4-Lea "C"	1980/S&E sec. 11
7-Lea "C"	1980/N&W sec. 11
9-Lea "C"	660/S 1980/W sec. 11

The plan for operating the above described waterflood project as proposed in the application is satisfactory to this office and hereby approved subject to approval by the New Mexico Oil Conservation Commission and the following:

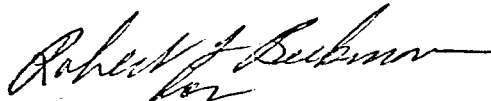
1. This project will be operated in compliance with the New Mexico Oil Conservation Commission regulations governing waterflood operations.
2. A development plan for surface use will be submitted which will include information in regard to:
  - a. Plats of any additional roads or pipelines for flowlines, injection lines or water supply, which may be necessary for this project. The Bureau of Land Management will be consulted on right-of-ways or

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
SR EXHIBIT NO. 11  
CASE NO. 5139

other easements not covered under the oil and gas lease agreements.

- b. Plats or diagrams to indicate size, description, and location of any additional installations of injection plants, treating plants, storage batteries, emergency water pits, or other necessary use of the surface for this project.
  - c. Plans for restoration of the surface.
- 3. Prior approval will be obtained for any change or deviation from the original plans or revision thereof.
  - 4. The usual notice and reports of workovers, conversions, injection commencement or suspension, et cetera, of all wells involved will be timely submitted.
  - 5. Duplicate copies of a monthly progress report (N.M.O.C.C. form C-120 acceptable) are to be submitted to this office showing the volume of water injected and average pressure for the injection wells and production for the producing wells in the project area.

Sincerely yours,



James A. Knauf  
District Engineer

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2088 SANTA FE, NEW MEXICO  
OPERATOR'S MONTHLY REPORT

Operator: SKELLY OIL COMPANY 9 (AUGUST) P.O. Box 1351, Midland, Texas, FOR MONTH JUL 1972 P. 29

WELL NO. UNIT SEC. TWP. RND.	POOL NAME (UNDERLINE)	LEASE NAME AND STATE LAND LEASE NUMBER OR FEDERAL LEASE NUMBER	WELL STATUS	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PROD.	DISPOSITION OF GAS					DISPOSITION OF OIL				
				MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLD	PURCH.	OTHER	C O D E	OIL ON HAND BEG. OF MONTH	BARRELS TO TRANS. PORTER	OTHER	C O D E
Grayburg Jackson - Eddy																		
Lea "C" - LC 029418-b																		
1 C 11 17 31	P	217	183	37		827	31											
2 B 11 17 31	P	186	188	38		1245	31											
3 D 11 17 31	P	62	31	93		1163	31											
4 J 11 17 31	P	186	183	183		992	31											
5 O 11 17 31	P	217	183	123		1245	31											
6 G 11 17 31	P	62	91	177		236	31											
7 F 11 17 31	P	2170	1525	76		561	31											
8 K 11 17 31	P	1922	763	38		429	31											
9 N 11 17 31	P	1860	458	147		291	31											
Lease Total			5882	3605	912	6919												

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

CASE NO. 42

EXHIBIT NO. 5139

12

2403199646

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
CASE NO. 51139-12

STATUS CODE: "OTHER" GAS DISPOSITION CODE: "OTHER" OIL DISPOSITION CODE:  
A - - - - - USED OFF LEASE  
B - - - - - USED FOR DRILLING  
C - - - - - GAS LIFT  
D - - - - - GAS LIFT  
E - - - - - LOST (NOT ESTIMATED)  
F - - - - - EXPLANATION ATTACHED  
G - - - - - EXPLANATION ATTACHED  
H - - - - - EXPLANATION ATTACHED  
I - - - - - EXPLANATION ATTACHED  
J - - - - - EXPLANATION ATTACHED  
K - - - - - EXPLANATION ATTACHED  
L - - - - - EXPLANATION ATTACHED  
M - - - - - EXPLANATION ATTACHED  
N - - - - - EXPLANATION ATTACHED  
O - - - - - EXPLANATION ATTACHED  
P - - - - - EXPLANATION ATTACHED  
Q - - - - - EXPLANATION ATTACHED  
R - - - - - EXPLANATION ATTACHED  
S - - - - - EXPLANATION ATTACHED  
T - - - - - EXPLANATION ATTACHED  
U - - - - - EXPLANATION ATTACHED  
V - - - - - EXPLANATION ATTACHED  
W - - - - - EXPLANATION ATTACHED  
X - - - - - EXPLANATION ATTACHED  
Y - - - - - EXPLANATION ATTACHED  
Z - - - - - EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE & COMPLETE TO THE BEST OF MY KNOWLEDGE.  
Lead Clerk: [Signature] AUG 24 1972  
[Signature] AUG 24 1972

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2088 SANTA FE, NEW MEXICO  
OPERATOR'S MONTHLY REPORT

Operator: SKELLY OIL COMPANY  
Address: P. O. Box 1351, Midland, Texas  
For Month: OCT 1973  
Page: 25

WELL NO. UNIT SEC. TWP. RND.	WELL STATUS	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PROD.	DISPOSITION OF GAS				DISPOSITION OF OIL			
		MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLD	PURCH.	OTHER	OIL ON HAND BEG. OF MONTH	BARRELS TO TRANS. PORTER	OTHER
LEASE NAME AND STATE LAND LEASS NUMBER OR FEDERAL LEASE NUMBER														
Grayburg Jackson - Eddy														
Lea "C" - LC 029418-b														
1 C 11 17 31	P	155	95	19	570	31	5060							
2 B 11 17 31	P	155	95	19	850	31	8947							
3 D 11 17 31	P	62	31	73	805	31	25968							
4 J 11 17 31	P	310	254	69	615	31	2461							
5 O 11 17 31	P	124	51	34	850	31	1667							
6 G 11 17 31	P	496	380	87	129	31	471							
7 F 11 17 31	P	558	412	21	380	31	422							
8 K 11 17 31	P	620	254	13	302	31	1187							
9 N 11 17 31	P	620	253	81	201	31	994							
10 E 11 17 31	P	682	253	253	1192	31	4931							
11 L 11 17 31	P	279	222	240	1565	31	9050							
12 M 11 17 31	P	589	312	60	839	31	2647							
Total This Page		4648	2612	989	8353									

BEFORE EXAMINER NUTTER

Oil Conservation Commission

APPLICANT EXHIBIT NO. 139

CASE NO. 22

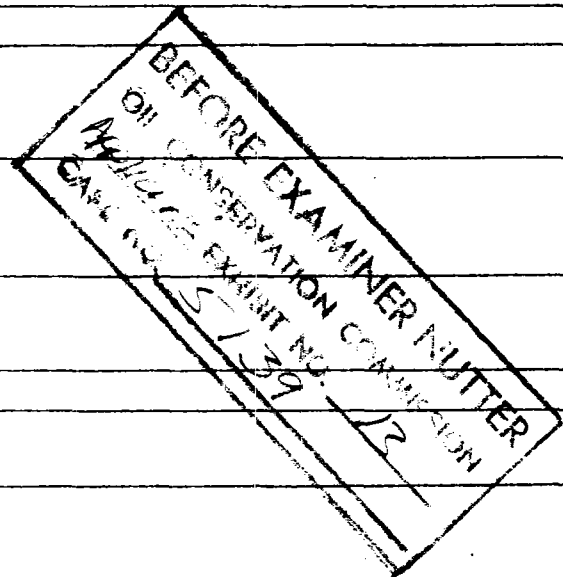
STATUS CODE  
X - USED OFF LEASE  
O - USED FOR DRILLING  
G - GAS LIFT  
L - LOST (AC ESTIMATED)  
E - EXPLANATION ATTACHED  
M - MISSING OR PRESSURE MAINTENANCE  
SUBMITTED IN LIEU OF FORM NO. 9-329

"OTHER" GAS DISPOSITION CODE  
C - CIRCULATING OIL  
L - LOST  
S - SEDIMENTATION (ASST)  
E - EXPLANATION ATTACHED

"OTHER" OIL DISPOSITION CODE  
C - CIRCULATING OIL  
L - LOST  
S - SEDIMENTATION (ASST)  
E - EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Signature: D. R. Crow  
Date: NOV 23 1973  
Lead Clerk - D. R. Crow  
(Position)



NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2008 SANTA FE, NEW MEXICO  
OPERATOR'S MONTHLY REPORT

Operator: SKELLY OIL COMPANY 8 Address: P. O. Box 1351, Midland, Texas FOR MONTH OCT 1973 Page 26

WELL NO. UNIT SEC. TWP. RND.	WELL STATE	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PAID.	DISPOSITION OF GAS					DISPOSITION OF OIL				
		MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLD	PURCH.	OTHER	OIL ON HAND SEC. OF MONTH	BARRELS TO TRANS- PORTER	OTHER	OIL ON HAND SEC. OF MONTH	OIL ON HAND END OF MONTH
LEASE NAME AND STATE LAND LEASE NUMBER OR FEDERAL LEASE NUMBER																
Strayburg Jackson -	Edly - (Continued)															
Lea "C" - LC 029418-b																
13 P 11 17 31	P	558	349	112	660	31	1841									
14 I 11 17 31	P	496	253	124	302.	31	1174									
15 H 11 17 31	P	713	380	23	420	31	1237									
16 A 11 17 31	P	248	191	29	1398	31	7317									
Totals This Page		2015	1173	288	2830											
Lease Total		663	3790	1272	11183				11183	CON		992	2940			1233

"OTHER" GAS DISPOSITION CODE  
1 - USED OFF LEASE  
2 - USED FOR DRILLING  
3 - GAS LIFT  
4 - LOST IN C/ ESTIMATED  
5 - ESTIMATION ATTACHED  
6 - REPAIRING OR PRESSURE MAINTENANCE

"OTHER" OIL DISPOSITION CODE  
C - CIRCULATING OIL  
L - LOST  
S - SEDIMENTATION (BURN)  
E - EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Submitted in Lieu of Form 9-329

Lead Clerk S. Alvarez NOV 23 1973  
(Signature)

(Position)