

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION  
OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
MURPHY OPERATING CORPORATION

Address  
P. O. Drawer 2648, Roswell, New Mexico 88202-2648

Reason(s) for filing (Check proper box) Other (Please explain)  
Change effective October 1, 1988

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

If change of ownership give name and address of previous owner: Myco Petroleum Company, Route 1, Box 104, Lovington, NM 88260

II. DESCRIPTION OF WELL AND LEASE

Lease Name James McFarland	Well No. 4	Pool Name, including Formation Chaveroo San Andres	Kind of Lease State, Federal or Fee	Fee	Lease No.
Location Unit Letter <u>L</u> : <u>1979.5</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>West</u> Line of Section <u>20</u> Township <u>7 South</u> Range <u>33 East</u> , NMPM, <u>Roosevelt</u> County					

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> N/A	Address (Give address to which approved copy of this form is to be sent) <u>INJECTION WELL SWD</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> N/A	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Melinda K. Hickman  
Melinda K. Hickman (Signature)  
Production Supervisor  
(Title)  
October 31, 1988  
(Date)

OIL CONSERVATION DIVISION  
NOV 03 1988  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY Jerry Sexton  
TITLE DISTRICT 1 SUPERVISOR

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

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

Aug 21 7 52 AM '66

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. Unit Agreement Name	
b. 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 _____		8. Farm or Lease Name James McFarland	
2. Name of Operator Sun Oil Company		9. Well No. 4	
3. Address of Operator P. O. Box 2792, Odessa, Texas 79760		10. Field and Pool, or Wildcat Chaveroo, S.A.	
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>660</u> FEET FROM THE <u>West</u> LINE AND <u>1979.5</u> FEET FROM		12. County Roosevelt	
THE <u>South</u> LINE OF SEC. <u>20</u> TWP. <u>7S</u> RGE. <u>33E</u> NMPM			
15. Date Spudded 5-5-66	18. Date T.D. Reached 5-14-66	17. Date Compl. (Ready to Prod.) 8-23-66	18. Elevations (DF, RKB, RT, GR, etc.) GR. 4429, DF 4438, KB 4439
19. Elev. Casinghead 4437			
20. Total Depth 4343	21. Plug Back T.D. 4313	22. If Multiple Compl., How Many -	23. Intervals Drilled By Rotary Tools 0-4343
24. Producing Interval(s), of this completion - Top, Bottom, Name Milnesand, S.A. 4133-4344		25. Was Directional Survey Made Yes	
26. Type Electric and Other Logs Run GR density, Focus, Mini-Focus, Correlation		27. Was Well Cored PM 1 42	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
8-5/8"	20	375	12 1/2"
4-1/2"	9.5	4340	7-7/8"
2 3/8" FBG		4100' - PKR	
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT
			SCREEN
			SIZE
			DEPTH SET
			PACKER SET
31. Perforation Record (Interval, size and number) 4174, 77, 86, 4221, 26 1/2, 45, 54, 60, 66 1/2, 72, 79 One 3/8" hole per int. (11 holes)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		4151-4284 1/2	2000 gal. 15% NE 1ST Acid
		4151-4284 1/2	40000 gal. gelled formation wtr. & 40000# 20-40 sand
		4174-4279	2000 gal. 15% Stab. Acid; 40000 gal. gelled form. wtr; 40000# 20-40 sand
33. PRODUCTION			
Date First Production 5-23-66	Production Method (Flowing, gas lift, pumping - Size and type pump) Pump 2" x 1 1/2" x 12' Insert		Well Status (Prod. or Shut-in) Producing
Date of Test 8-24-66	Hours Tested 24	Choke Size	Prod'n. For Test Period
			Oil - Bbl. 47.00
			Gas - MCF 5.3
			Water - Bbl. 61.00
			Gas - Oil Ratio 112
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 47.00
			Gas - MCF 5.3
			Water - Bbl. 61.00
			Oil Gravity - API (Corr.) 24.3
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold			Test Witnessed By Earl Barrett
35. List of Attachments C-104 - Inclination tests - electric logs			
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 <u>J. E. Edin</u>		TITLE <u>Area Supt.</u>	DATE <u>8-26-66</u>

# Memo

*From*

MELBA CARPENTER

9/18/78

*To* Dick

Please note the attached letter.

The letter was received in this office on 9/2/77. At that time I forwarded it to you with the note requesting that you handle it. It was subsequently returned to this office and I was told that we were to "hold off for a while." I don't know whether you or Jerry made the notes on the letter.

I called Tom Griffin and he told me that the well is being used as a disposal well, but apparently the volumes are not being reported. It is listed on Form C-115 but no volumes are shown, and C-120-A is not being submitted.

If we could get this reclassified as a disposal well, I could then request that they submit Form C-120-A.

OIL CONSERVATION COMMISSION-HOBBS

Thomas H. Griffin  
Bettis, Boyle & Stovall  
P. O. Box 1193  
Hobbs, New Mexico 88240

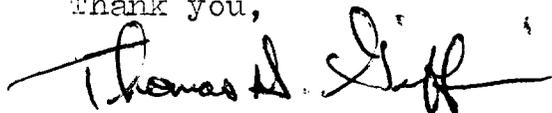
Mr. Jerry Sexton  
Oil Conservation Commission  
Box 1980  
Hobbs, New Mexico 88240

Re: Chavaroo San Andres Pool  
James McFarland Lease  
James McFarland 'A' Lease

Dear Mr. Sexton:

Bettis, Boyle & Stovall purchased the subject leases from Sun Oil Company effective April 1, 1977. It is our understanding that this was considered a waterflood/pressure maintenance project. We wish only to use the McFarland Well #4 as a saltwater disposal well and would like to have it reclassified as such.

Thank you,



Thomas H. Griffin

*H-I  
PBA - 33  
20-7-*

*James McFarland*

*4 L - 20 - 75 - 33 E*

*File shows San prep to PBA*

*Fee land*

SEP 23 1977

*has injection March 1977*

R 3571 11-19-68

2 3/8 cm + lined + by

PKR 4100'

Perfs 4174-4279

Load and gauge annulus

835# pressure limit

Unless higher limit authorized

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