### '89 OCT 31 AM 11 32

October 31, 1989

RE: South Corbin Wolfcamp Field Proration Unit covering S/2SE/4 Section 19. Enfield Hudson Federal #3 2310' FEL, 660' FSL Sec. 19 T-18-S, R-33-E Lea County, New Mexico

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87504-2088

Attn: Michael Stogner

Dear Mr. Stogner:

I would like to make application for administrative approval for the above captioned unit. The well was originally drilled to the Morrow formation for a total depth of 13630' and it has presently been completed in the South Corbin Wolfcamp field.

I am enclosing the following items in triplicate:

- 1. Land plat showing all the ownership of direct and diagonal locations.
- 2. New Mexico Oil Conservation Division form C-102
- Copy of FAX from C. W. Trainer, the only off-setting owner except myself.

Assuming this is satisfactory, I would appreciate administrative approval on this unorthodox location.

Very truly yours,

Robert N. Enfield

RNE/mq Encl.

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

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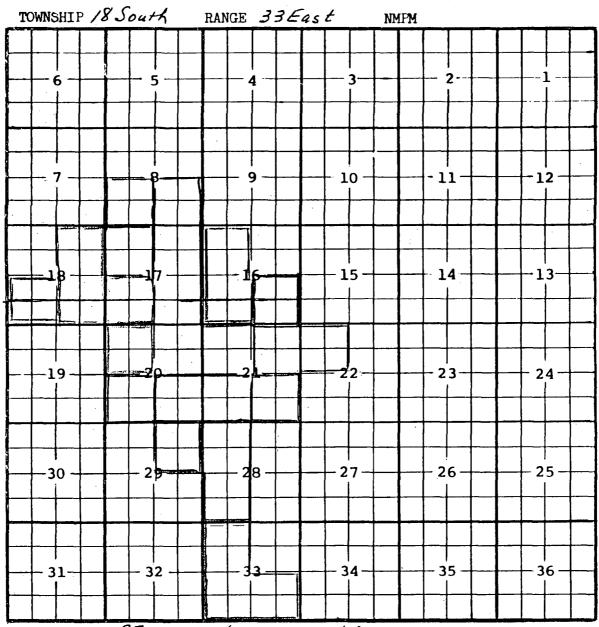
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9/1/89:	Drilling at 1	12,941', formation lin	ne, shale, ar	nd chert. Deviaiton si	urvey at 12,921' 1 3/4°.
9/2/89:	Drilling at 1	13,137', formation lin	ne and shale.	Circulate samples a	t 13 205 - 13 220'
9/3/89:	Drilling at 1	13,234'. formation li	ne and shale.	Circulate samples a	t. 13.310' - 13.354'.
9/4/89: 9/5/89:	Drilling at 1	13,431 , formation in	ale. Deviat	ion survey at 13,438'	2°.
9/6/89:	Drilling at	13,563', formation li	ne and shale.		
9/7/89:	TD 13 630'. 1	formation lime and sh	ale. Presen	t operation logging.	
9/8/89:	יים 13 630י ל	formation lime and sh	ale. Presen	t operation. Trip in h	ole with DST No. 4 from 13,306-13,33
9/9/89:	TD 13,630'.	Present operation Tr	ip out of ho	le with USI No. 4. (d	etails of this test are attached).
9/10/89:	10 13,630', 1	present operation lay	nng down ari doff the Moi	n Condrs. rrow zone as ner instr	uctions from Mr. Shannon Shaw with t
9/11/89:	RIM Set 30	n' n'un at 13 202' wi	th 75 sacks (	Class "H" with 0.02% H	R-5 (1.06 cu.ft./sk., yeild, and
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	300' plug at	12,555' with 75 sack	s Class "H" ı	with 0.02% HR-5 (1.06	cu.ft./sk., yield and 16.4#/gallon
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9/12/89:	PBTD 12,250'	. Nippled up well he	ad. Kelease	d rig at 10:00 AM 9/11	/89.
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\*See Instructions on Reverse Side



Description: 5E/4 Sec. 21 (R-3342,12-1-67)
Description: 5E/4 Sec. 21 (R-3342, 12-1-67)  Ext: 5E Sec. 20; 5W Sec. 21 (R-3367, 2-1-68) - NE Sec. 29 (R-3438, 7-1-68)
Ex1: 5W/4 Sec. 20 ( A-5987, 4-1-79) Err: W/2 Sec. 28 (R-6368, 7-1-80)
Ext: W/2 and 5/4 Sec 33(A-6657, 4-20-81)
Ext: Sec 17 Sw/4, 18 E/2, 20 nw/4 (R-7/14, 10-19-82)
Ext: NW/4 sec. 17 (R-8075, 11-8-85) Ext: NE/ Sec. 21, NW/5ec. 22 (R-8340, 11-3-86)
Ext: 5E/4 Sec. 16 (R-8461, 6-25-87) EXT: 54/4 SEC 8 (R-8668, 6/10/88)
EXT: W/2 SEC. 16 5W/4 SEC 18 (R-8696 7/22/88) FXT: SE/4 sec 8, E/2 sec 17
NE/4 sec 20, NW/4 sec 21 (R-9401, 4-1-89)

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### (ALSTON RANCH-UPPER PENNSYLVANIAN POOL -

RULE 3. The Director of the Division may grant an exception to the requirements of Rule 2 without hearing when an application has been filed for a non-standard unit comprising a single quarter-quarter section or lot. All operators offsetting the proposed non-standard unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Director has received the application.

RULE 4. Each well drilled in the Alston Ranch-Upper Pennsylvanian Pool shall be located within 150 feet of the center of a governmental quarter-quarter section.

RULE 5. The Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed unorthodox location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 20 days offer the Director has received the application after the Director has received the application.

A standard proration unit (79 through 81 acres) in the Alston Ranch-Upper Pennsylvanian Pool shall be assigned an 80-acre depth bracket allowable of 400 barrels for allowable purposes, and in the event there is more than one well on an 80acre proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

The allowable assigned to a non-standard proration unit shall bear the same ratio to a standard allowable in the Alston Ranch-Upper Pennsylvanian Pool as the acreage in such nonstandard unit bears to 80 acres.

IT IS FURTHER ORDERED THAT:

1T IS FURTHER ORDERED THAT:
(4) The locations of all wells, with the exception of said Elkan "A" Well No. 1, presently drilling to or completed in the Alston Ranch-Upper Pennsylvanian Pool or in any formation from the base of the Wolfcamp formation to the top of the Canyon formation within one mile thereof, and not nearer to or within the limits of another designated Upper Pennsylvanian Pool, are hereby approved; the operator of any well having an unorthodox location shall notify the Hobbs District Office of the Division in writing of the name and location of the well on or before July 1, 1986.

(5) Pursuant to Paragraph A. of Section 70-2-18, NMSA 1978, existing wells in the Alston Ranch-Upper Pennsylvanian Pool shall have dedicated thereto 80 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 70-2-18, existing wells may have non-standard spacing or proration units established by the Division and dedicated thereto.

Failure to file new Forms C-102 with the Division dedicating 80 acres to a well or to obtain a non-standard unit approved by the Division within 60 days from the date of this order shall the Division within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the Alston Ranch-Upper Pennsylvanian Pool or in its corresponding vertical limits as described in Ordering Paragraph No. (1), above, or within one mile thereof shall receive no more than one-half of a standard allowable for the pool.

- (6) This case shall be reopened at an examiner hearing in May 1988, at which time the operators in the subject pool may appear and show cause why the Alston Ranch-Upper Pennsylvanian Pool should not be developed on 40-acre spacing
- Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

### SOUTH CORBIN-WOLFCAMP POOL Lea County, New Mexico

Order No. R-8181-B, Adopting Temporary Operating Rules for the South Corbin-Wolfcamp Pool, Lea County, New Mexico, May

Application of Southland Royalty Company for Special Pool Rules, Lea County, New Mexico.

> CASE NO. 8802 DE NOVO Order No. R-8181-B

### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. at Santa Fe, New Mexico, on April 9, 1986, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 20th day of May, 1986, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

### (SOUTH CORBIN-WOLFCAMP POOL - Cont'd.)

- (2) The applicant, Southland Royalty Company, seeks the promulgation of special pool rules for the South Corbin-Wolfcamp Pool, Lea County, New Mexico, including a provision for 80-acre spacing units.
- (3) By Order No. R-3342, effective December 1, 1967, the Commission created the South Corbin-Wolfcamp Pool as a result of the completion of the Aztec Oil and Gas Company Federal "MA" Well No. 2 located in Unit I of Section 21, Township 18 South, Range 33 East, NMPM, Lea County, New Mexico.
- (4) Although the development of said pool has resulted in wells being drilled on what constitutes an 80-acre spacing pattern, it has remained since its creation governed by general statewide 40-acre spacing units.
- (5) Geological and engineering evidence presented at the hearing showed that wells in the South Corbin-Wolfcamp Pool may be capable of draining 80-acre spacing units.
- (6) Evidence and testimony at the hearing demonstrated that drilling wells in the South Corbin-Wolfcamp Pool on 40-acre spacing is uneconomical at the present time and may result in the drilling of unnecessary wells.
- (7) Adoption of temporary special pool rules including provisions for 80-acre spacing would encourage continued drilling of South Corbin-Wolfcamp Pool wells, thereby producing oil which might not otherwise be produced, thereby preventing
- 3) In order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 80-acre spacing units should be promulgated for the South Corbin-Wolfcamp Pool as previously defined and described.
- (9) The temporary special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.
- (10) The temporary special rules and regulations should be established for an 18-month period in order to allow the operators in the subject pool to gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.
- (11) Unless called earlier, this case should be reopened at an Oil Conservation Division examiner hearing in October, 1987, at which time the operators in the subject pool should be prepared to appear and show cause why the South Corbin-Wolfcamp Pool should not be developed on 40-acre spacing units.

IT IS THEREFORE ORDERED THAT:
(1) Temporary Special Rules and Regulations for the South Corbin-Wolfcamp Pool, Lea County, New Mexico, as previously defined and described, are hereby promulgated as follows:

## TEMPORARY SPECIAL RULES AND REGULATIONS FOR THE SOUTH CORBIN-WOLFCAMP POOL

RULE 1. Each well completed or recompleted in the South Corbin-Wolfcamp Pool or in the Wolfcamp formation within one mile thereof, and not nearer to or within the limits of another designated Wolfcamp oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.

- RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the N/2, S/2, E/2 or W/2 of a governmental quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in
- RULE 3. The Director of the Oil Conservation Division, hereinafter referred to as the "Division", may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a nonstandard unit comprising an application has been filed for a nonstandard unit comprising a governmental quarter-quarter section or lot, or the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Land Surveys. All operators offestting the proposed non-standard unit shall be notified of the application by registered or certified mail and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all offset operators of if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Director has received the application. within 30 days after the Director has received the application.
- RULE 4. Each well shall be located within 150 feet of the center of a governmental quarter-quarter section or lot.
- RULE 5. The Division Director may grant an exception to the requirements of Rule 4 without hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished.

The Director may approve the application upon receipt of written waivers from all operators offsetting the proposed location or if no objection to the unorthodox location has been entered within 20 days after the Director has received the application.

RULE 6. A standard proration unit (79 through 81 acres) shall be subject to an 80-acre depth bracket allowable of 445 barrels of oil per day. The allowable assigned to a non-standard proration unit shall bear the same ratio to a standard allowable as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED THAT:

- (1) The locations of all wells presently drilling to or completed in the South Corbin-Wolfcamp Pool or in the Wolfcamp formation within one mile thereof are hereby approved; the operator of any well having an unorthodox location shall notify the Hobbs District Office of the Division in writing of the name and location of the well on or before July 1,
- (2) Pursuant to Paragraph A. of Section 70-2-18, NMSA (1978), contained in Chapter 271, Laws of 1969, existing wells in the South Corbin-Wolfcamp Pool shall have dedicated thereto 80 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 70-2-18, existing wells may have non-standard spacing or proration units established by the Division and dedicated thereto.

Failure to file new Forms C-102 with the Division dedicating 80 acres to a well or to obtain a non-standard unit approved by the Division within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the South Corbin-Wolfcamp Pool or in the Wolfcamp formation within one mile thereof shall receive no more than one-half of a standard allowable for the pool.

### (SOUTH CORBIN-WOLFCAMP POOL - Cont'd.)

- (3) Unless called earlier upon the motion of the Division, the case shall be reopened at an examiner hearing in October, 1987, at which time the operators in the subject pool should be prepared to appear and show cause why the South Corbin-Wolfcamp Pool should not be developed on 40-acre spacing units.
- (4) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

### NORTHEAST OJITO GALLUP-DAKOTA POOL Rio Arriba County, New Mexico

Order No. R-8188-A, Creating and Adopting Temporary Operating Rules for the Northeast Ojito Gallup-Dakota Pool, Rio Arriba County, New Mexico, June 1, 1986, as Amended by Order No. R-8188-B, December 1, 1987.

Application of Amoco Production Company for Pool Creation and Special Pool Rules, Rio Arriba County, New Mexico.

> CASE NO. 8822 De Novo Order No. R-8188-A

#### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on May 20, 1986, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 27th day of June, 1986, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) The applicant, Amoco Production Company, seeks an order deleting a portion of the Ojito Gallup-Dakota Oil Pool and creating the Northeast Ojito Gallup-Dakota Oil Pool with special pool rules including a provision for 160-acre spacing, Rio Arriba County, New Mexico.
- (3) Notice was given to all interested parties to appear and participate in the hearing.
- (4) Of those parties notified, Minel Inc. and Union Texas Petroleum Corporation appeared in opposition to the applicant.

- (5) The applicant presented geologic and engineering evidence to demonstrate that the Gallup formation in the proposed new pool area was in fact in the same common source of supply with the Ojito Gallup-Dakota Oil Pool, but has producing characteristics sufficiently different to require the creation of such new pool.
- (6) Certain of the Amoco wells in the proposed new pool area have high initial potential rates and sustained high production over a six (6) month period that indicate that the production of those wells is enhanced by natural fracturing.
- (7) At the conclusion of the applicant's presentation and prior to the opponent's presentation, the parties to the hearing entered into an agreement acceptable to the Commission concerning this case.
- (8) By agreement of the parties to the hearing, and in order to obtain additional data and to preserve the status quo during the temporary period, the creation of a special pool with 160-acre spacing on a temporary basis of 24 months protects the correlative rights of the interest owners involved.
- (9) Applicant's evidence and testimony at the hearing demonstrated that drilling wells in the proposed Northeast Ojito Gallup-Dakota Oil Pool on 40-acre spacing is uneconomical at the present time and may result in the drilling of unnecessary wells
- (10) Applicant's engineering evidence presented at the hearing tended to demonstrate that certain wells in the proposed Northeast Ojito Gallup-Dakota Oil Pool are capable of effectively and efficiently draining 160-acre spacing units. However, such evidence is not conclusive and the development of appropriate spacing for this pool will require further study and development of factual and technical data.
- (11) Adoption of temporary special pool rules including provisions for 160-acre spacing would encourage continued drilling in said proposed pool, thereby producing oil which might not otherwise be produced, thereby preventing waste.
- (12) In order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 160-acre spacing units should be promulgated for the proposed Northeast Ojito Gallup-Dakota Oil Pool.
- (13) The temporary special rules should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.
- (14) The temporary special rules should be established for a 24-month period in order to allow the operators in the subject pool to gather reservoir information to establish whether the temporary rules should be made permanent.
- (15) This case should be reopened at an Oil Conservation Division examiner hearing in June, 1988, at which time the operators in the subject pool should be prepared to appear and show cause why the Northeast Ojito Gallup-Dakota Oil Pool should not be developed on 40-acre spacing units.

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October 30, 1989

Robert N. Enfield Box 2431 Santa Fe, NM 87504 2431 RE: South Corbin Wolfcamp Field Proration Unit covering S/2SE/4 Section 19, Enfield Hudson Federal #3 2310' FEL, 660' FSL Sec. 19 T-18-S, R-33-E Lea County, New Mexico

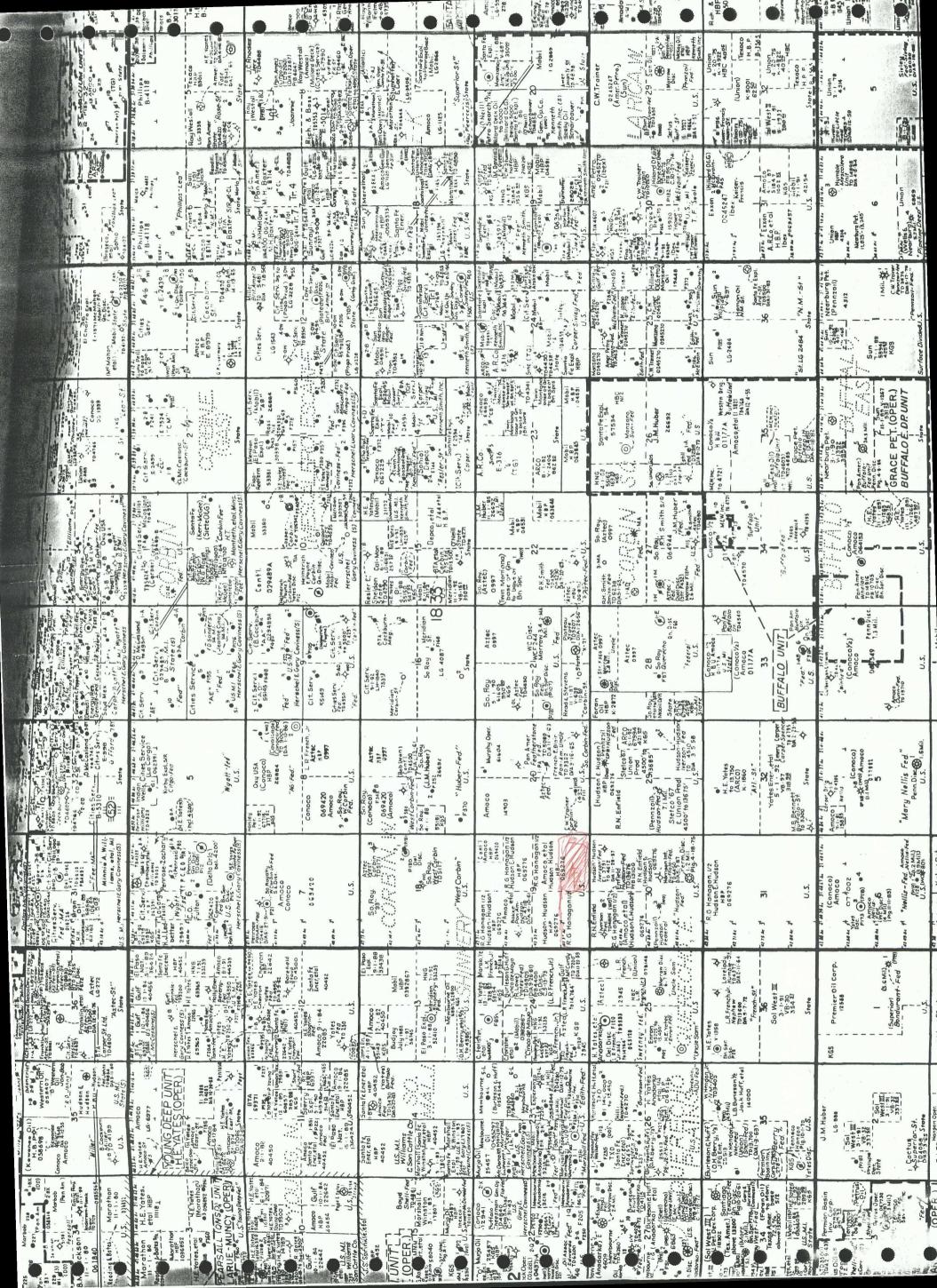
Dear Mr. Enfield:

C. W. Trainer waives any objection to your unorthodox location being 2310' FEL and 660' FSL (Unit 0) S/2SE/4 Section 19, Township 18 South, Range 33 East, being the proration unit attributable to this well, South Corbin Wolfcamp Field, on which you have requested administrative approval.

Very truly yours,

C. W. Trainer

XC: Michael Stogner - NMOCD - Box 2088 Santa Fe, NM 87504 2088



#### Form C-102 Supersedes C-12 Effective 1-1-65

RONALD J. EIDSON,

3239

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Hudson Federal Robert N. Enfield 3 Township Section 18 South 33 East 19 Lea Actual Footage Location of Well: 660 East feet from the South line and feet from the Producing Formation Dedicated Acreage: Ground Level Elev. UNDESIGNATED SO. CORBIN STRAWN STRAWN Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation \_ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Position Agent Company ROBERT N. ENFIELD JANUARY 20, 1989 I heraby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my A فروند وري Date Surveyed 2310 <u>January 6, 1989</u> Registered Professional Engineer

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C W Trainer 526 Sandy Mtn. Dr. Sunrise Beach, Texas 78643 915-388-3674 FAX 1 800 232 3209

October 30, 1989

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