

1959 AMO

Rec: 7-3-00
Susp: 7-24-00
Released 7-24-00

24
July 10, 2000

Cross Timbers Oil Company
810 Houston Street - Suite 2000
Fort Worth, Texas 76102-6298

Telefax No. (817) 870-1671

Attention: George A. Cox

2nd AMENDMENT to Division Administrative Order NSL-1959

Dear Mr. Cox:

Reference is made to the following: (i) your original application dated June 1, 2000; (ii) the New Mexico Oil Conservation Division's ("Division") initial response by letter dated June 19, 2000 from Mr. Michael E. Stogner, Engineer in Santa Fe requesting verification of the information submitted; (iii) a second letter from Mr. Stogner dated June 27, 2000 withdrawing this application; (iv) your letter dated June 27, 2000 informing the Division of the erroneous information contained in the June 1, 2000 application and your plans to resubmit this request correctly; (v) your resubmitted application dated June 29, 2000; and (vi) the records of the Division in Santa Fe and Aztec: all concerning Cross Timbers Oil Company's ("Cross Timbers") request to essentially correct/amend Division Administrative Order NSL-1959 to accurately reflect a pool completion change for Cross Timbers Operating Company's ("Cross Timbers") existing T. L. Rhodes "C" Well No. 3-E (API No. 30-45-26200) located 1415 feet from the North line and 580 feet from the West line (Lot 2/Unit E) of Section 31, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico.

By Division Administrative Order NSL-1959, dated December 31, 1984, as amended by order also dated on December 31, 1984, authorized Amoco Production Company to drill this well at the above-described unorthodox location: (i) to the deeper Basin-Dakota Pool within an existing standard 317.85-acre lay-down gas spacing and proration comprising Lots 1 and 2, the NE/4, and the E/2 NW/4 (N/2 equivalent) of Section 31; and (ii) to the shallower (Undesignated) Simpson-Gallup Oil Pool to be dedicated erroneously to a 40-acre oil spacing and proration unit comprising the SW/4 NW/4 (Unit E) of Section 31.

It is our understanding that this well was initially completed as a single Basin-Dakota producing gas well in 1985 and the Gallup interval was never completed. It is further understood that Cross Timbers now intends to recomplete the T. L. Rhodes "C" Well No. 3-E up-hole into the Gallup interval. This well is located closer to the Kutz-Gallup Oil Pool (approximately one-half mile to the southeast), which is governed under the provisions of Division Rule 104.B (1), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999, and provides for 40-acre oil spacing and proration units and requires wells to be located no closer than 330 feet to the outer boundary of such 40-acre unit nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary, then the Simpson-Gallup Oil Pool (a little over three quarters of a mile to the north), currently governed under the "Special Rules and

7-24

Regulations for the Simpson-Gallup Oil Pool", as promulgated by Division Order No. R-2375, as amended, which provides for 80-acre spacing and proration units and designated well location requirements such that wells are to be located within 150 feet of the center of a governmental quarter-quarter section or lot.

This application has been duly filed under the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

By the authority granted me under the provisions of Division Rule 104.F (2), Division Administrative Order NSL-1959 is hereby revised by changing this wells unorthodox oil well location in the Gallup interval from the "*Simpson-Gallup Oil Pool*" to the "*Undesignated Kutz-Gallup Oil Pool*". All other provisions of Division Administrative Order NSL-1959 shall remain in full force and effect until further notice.

Sincerely,

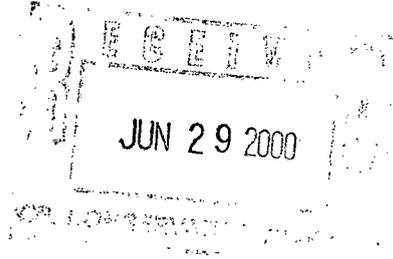
Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division – Aztec
U. S. Bureau of Land Management - Farmington



Cross Timbers Oil Company



June 27, 2000

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
2040 south Pacheco
Santa Fe, New Mexico 87505

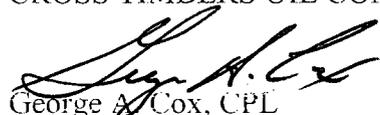
RE: Application for unorthodox Gallup location:
for existing T.L. Rhodes "C" Well #3E
NW/4 Section 31-28N-11W
San Juan County, New Mexico

Dear Mr. Stogner:

I am in receipt of your letter, a copy of which is attached. Our Engineers have reviewed your questions and have found that you are correct in your location of the well. The well is as you stated, 1415' FNL and 580' FWL. In a conversation with the Division's Aztec office it was confirmed that the pool should be a 40 acre unit for the Kutz-Gallup Oil Pool rather than the 80 acre unit for the Simpson-Gallup Oil Pool.

I am in the process of submitting a new application to you with the corrected footage and spacing. I apologize for the errors in the previous application.

Sincerely,
CROSS TIMBERS OIL COMPANY


George A. Cox, CPL
Landman

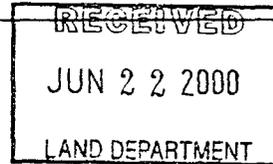
Enclosure



NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

June 19, 2000



Lori Wrotenbery
Director
Oil Conservation Division

Cross Timbers Oil Company
810 Houston Street - Suite 2000
Fort Worth, Texas 76102-6298

Attention: George A. Cox

Re: Administrative application of an unorthodox Gallup oil well location for the existing T. L. Rhodes "C" Well No. 3-E (API No. 30-045-26200) located within the NW/4 equivalent of Section 31, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico.

Dear Mr. Cox:

My review of the Division's records show a different location for the subject well (1415' FNL & 580' FWL of Section 31). Please varify which is correct.

Further, since this well (regardless of the correct location) is situated between the Simpson-Gallup Oil Pool, which is governed by special rules requiring 80-acre spacing, and the Kutz-Gallup Oil Pool, which is governed under Division Rule 104.B (1) requiring 40-acre spacing, please contact the Division's Aztec district office and confirm which pool this well will be placed.

Thank you for your cooperation in this matter.

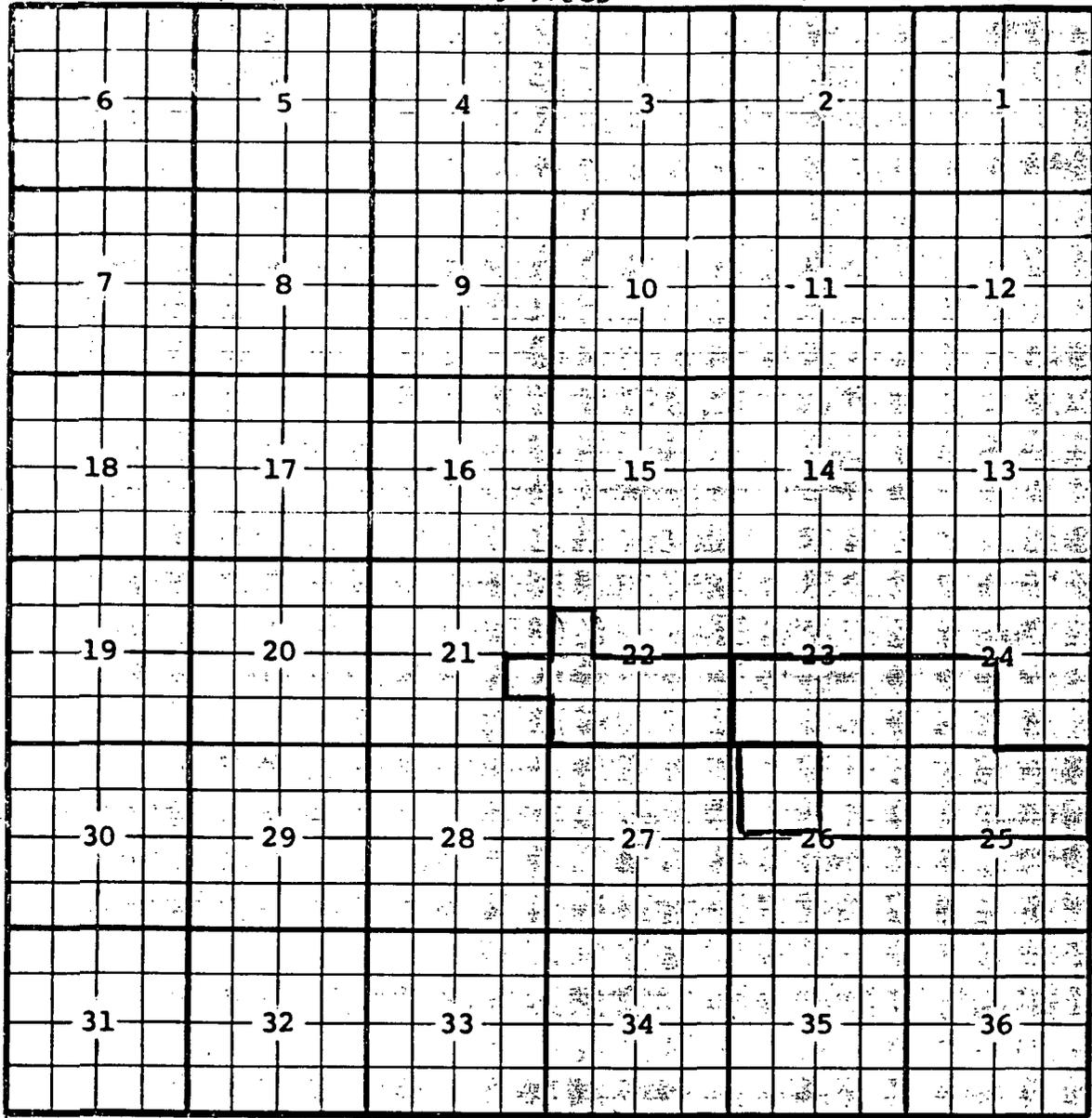
Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

COUNTY *San Juan* POOL *Simpson - Gallup Oil*

TOWNSHIP *28 North* RANGE *12 West* NMPM



Description: $\frac{1}{2}$ Sec. 23; $\frac{3}{4}$ Sec. 24; $\frac{1}{2}$ Sec. 25; $\frac{NE}{4}$ Sec. 26 (R-2375, 11-21-62)

Ext: $\frac{NE}{4}$ $\frac{SE}{4}$ Sec. 21; $\frac{S}{2}$ & $\frac{SW}{4}$ $\frac{NW}{4}$ Sec. 22 (R-4292, 5-1-72)

Ext: $\frac{NW}{4}$ Sec. 26 (R-10378, 6-2-95)

(SIMPSON-GALLUP POOL - Cont'd.)

(7) That this case should be reopened at an examiner hearing in January, 1964, at which time the operators in the subject pool should be prepared to appear and show cause why the Simpson-Gallup Oil Pool should not be developed on 40-acre proration units.

IT IS THEREFORE ORDERED:

(1) That a new pool in San Juan County, New Mexico, classified as an oil pool for Gallup production is hereby created and designated as the Simpson-Gallup Oil Pool consisting of the following-described area:

TOWNSHIP 28 NORTH, RANGE 12 WEST, NMPM

Section 23: S/2 Section 25: N/2
Section 24: SW/4 Section 26: NE/4

(2) That Special Rules and Regulations for the Simpson-Gallup Oil Pool are hereby promulgated as follows, effective December 1, 1962.

SPECIAL RULES AND REGULATIONS
FOR THE
SIMPSON-GALLUP OIL POOL

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

RULE 2. Each well completed or recompleted in the Simpson-Gallup Oil Pool shall be located on a standard proration unit containing approximately 80 acres, consisting of any two contiguous quarter-quarter sections of a single governmental quarter section. For the purposes of these rules, a unit containing 79 through 81 contiguous surface acres shall be considered a standard unit.

RULE 3. Each well projected to or completed in the Simpson-Gallup Oil Pool shall be located within 150 feet of the center of either quarter-quarter section in the 80-acre unit; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the 80-acre unit.

RULE 4. For good cause shown, the Secretary-Director may grant an exception to Rule 2 without notice and hearing where an application has been filed in due form, and where the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Lands Survey, or where the following facts exist and the following provisions are complied with:

- (1) The non-standard unit consists of a single quarter-quarter section or lot.
- (2) The non-standard unit consists of not more than 81 acres.
- (3) The entire non-standard unit may reasonably be presumed to be productive of oil from said pool.
- (4) The applicant presents written consent in the form of waivers from all offset operators.
- (5) In lieu of Paragraph 4 of this rule, the applicant may furnish proof that all offset operators were notified of his intent to form such non-standard unit. The Secretary-Director

may approve the application if, after a period of 30 days, no offset operator has entered an objection to the formation of the non-standard unit.

RULE 5. The allowable assigned to any non-standard proration unit shall bear the same ratio to a standard allowable in the Simpson-Gallup Oil Pool as the acreage in the non-standard unit bears to 80 acres.

RULE 6. A standard proration unit in the Simpson-Gallup Oil Pool shall be assigned an 80-acre proportional factor of 2.33 for allowable purposes, and in the event there is more than one well on a standard proration unit, the operator may produce the allowable assigned to the unit from said wells in any proportion.

(3) That operators who propose to dedicate 80 acres to a well in the Simpson - Gallup Oil Pool must file an amended Commission Form C-128 with the Aztec District Office of the Commission by December 1, 1962, in order that the well may be assigned an 80-acre allowable on the December proration schedule.

(4) That this case shall be reopened at an examiner hearing in January, 1964, at which time the operators in the subject pool may appear and show cause why the Simpson-Gallup Oil Pool should not be developed on 40-acre proration units.

(5) That 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.

**OGALALLA FORMATION
(Oil Recovery and Sale)
Lea County, New Mexico**

Order No. R-2902, Authorizing Recovery and Sale of Oil From Water Wells Completed in the Ogalalla Formation, Section 30, Township 18 South, Range 38 East, Lea County, New Mexico, May 4, 1965.

Application of Joseph O. Walton to Remove and Market Oil From the Ogalalla Formation, Lea County, New Mexico.

CASE NO. 3235
Order No. R-2902

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on April 14, 1965, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

(NORTH VACUUM-ABO POOL - Cont'd.)

objection to the unorthodox location within 20 days after the Secretary-Director has received the application.

RULE 6. A standard proration unit (79 through 81 acres) in the North Vacuum-Abo Oil Pool shall be assigned an 80-acre proportional factor of 4.77 for allowable purposes, and in the event there is more than one well on an 80-acre 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 North Vacuum-Abo Oil Pool as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

(1) That any well presently drilling to or completed in the Abo formation within the North Vacuum-Abo Oil Pool or within one mile of the North Vacuum-Abo Oil Pool that will not comply with the well location requirements of Rule 4 is hereby granted an exception to the requirements of Rule 4. The operator shall notify the Hobbs District Office in writing of the name and location of the well on or before March 1, 1963.

(2) That any operator desiring to dedicate 80 acres to a well presently drilling or completed in the North Vacuum-Abo Oil Pool shall file a new Form C-128 with the Commission on or before March 1, 1963.

(3) That this case shall be reopened at an examiner hearing in February, 1964, at which time the operators in the subject pool may appear and show cause why the North Vacuum-Abo Oil Pool should not be developed on 40-acre proration units.

(4) That 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.

SIMPSON-GALLUP POOL
San Juan County, New Mexico

Order No. R-2375, Creating and Adopting Temporary Operating Rules for the Simpson-Gallup Pool, San Juan County, New Mexico, December 1, 1962, Made Permanent by Order No. R-2375-A, January 29, 1964.

Application of Pan American Petroleum Corporation for the creation of a new Oil Pool and the establishment of Special Rules and Regulations, San Juan County, New Mexico.

CASE NO. 2682
Order No. R-2375

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on November 8, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 21st day of November, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Pan American Petroleum Corporation, seeks an order creating a new oil pool for Gallup production to be designated the Simpson-Gallup Oil Pool consisting of the following-described acreage in San Juan County, New Mexico:

TOWNSHIP 28 NORTH, RANGE 12 WEST, NMPM
Section 23: S/2 Section 25: N/2
Section 24: SW/4 Section 26: NE/4

(3) That the applicant proposes the promulgation of special rules and regulations to govern said pool with a provision for 80-acre oil proration units.

(4) That the Simpson-Gallup Oil Pool was discovered by the Pan American Gallegos Canyon Unit Well No. 83, located in Unit A of Section 26, Township 28 North, Range 12 West, NMPM, San Juan County, New Mexico. This well was completed February 29, 1959. The top of the perforations is at 5548 feet.

(5) That the evidence presently available establishes that the Simpson-Gallup Oil Pool can be efficiently and economically drained and developed on 80-acre oil proration units.

(6) That during the temporary period in which this order will be in effect, all operators in the subject pool should gather all available information relative to drainage and recoverable reserves in said pool.

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

06/19/00 10:00:26
OGOMES -TP2Y
PAGE NO: 1

Sec : 31 Twp : 28N Rng : 11W Section Type : NORMAL

1 38.98 Indian owned	C 40.00 Federal owned	B 40.00 Federal owned A A	A 40.00 Federal owned
2 38.87 Indian owned A	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

06/19/00 10:00:31
OGOMES -TP2Y
PAGE NO: 2

Sec : 31 Twp : 28N Rng : 11W Section Type : NORMAL

3 38.75 Indian owned U	K 40.00 Indian owned U A	J 40.00 Indian owned U	I 40.00 Indian owned U
4 38.64 Indian owned U A	N 40.00 Indian owned U	O 40.00 Indian owned U	P 40.00 Indian owned U A

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

(NORTH VACUUM-ABO POOL - Cont'd.)

objection to the unorthodox location within 20 days after the Secretary-Director has received the application.

RULE 6. A standard proration unit (79 through 81 acres) in the North Vacuum-Abo Oil Pool shall be assigned an 80-acre proportional factor of 4.77 for allowable purposes, and in the event there is more than one well on an 80-acre 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 North Vacuum-Abo Oil Pool as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

(1) That any well presently drilling to or completed in the Abo formation within the North Vacuum-Abo Oil Pool or within one mile of the North Vacuum-Abo Oil Pool that will not comply with the well location requirements of Rule 4 is hereby granted an exception to the requirements of Rule 4. The operator shall notify the Hobbs District Office in writing of the name and location of the well on or before March 1, 1963.

(2) That any operator desiring to dedicate 80 acres to a well presently drilling or completed in the North Vacuum-Abo Oil Pool shall file a new Form C-128 with the Commission on or before March 1, 1963.

(3) That this case shall be reopened at an examiner hearing in February, 1964, at which time the operators in the subject pool may appear and show cause why the North Vacuum-Abo Oil Pool should not be developed on 40-acre proration units.

(4) That 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.

SIMPSON-GALLUP POOL
San Juan County, New Mexico

Order No. R-2375, Creating and Adopting Temporary Operating Rules for the Simpson-Gallup Pool, San Juan County, New Mexico, December 1, 1962, Made Permanent by Order No. R-2375-A, January 29, 1964.

Application of Pan American Petroleum Corporation for the creation of a new Oil Pool and the establishment of Special Rules and Regulations, San Juan County, New Mexico.

CASE NO. 2682
Order No. R-2375

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on November 8, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 21st day of November, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Pan American Petroleum Corporation, seeks an order creating a new oil pool for Gallup production to be designated the Simpson-Gallup Oil Pool consisting of the following-described acreage in San Juan County, New Mexico:

TOWNSHIP 28 NORTH, RANGE 12 WEST, NMPM
Section 23: S/2 Section 25: N/2
Section 24: SW/4 Section 26: NE/4

(3) That the applicant proposes the promulgation of special rules and regulations to govern said pool with a provision for 80-acre oil proration units.

(4) That the Simpson-Gallup Oil Pool was discovered by the Pan American Gallegos Canyon Unit Well No. 83, located in Unit A of Section 26, Township 28 North, Range 12 West, NMPM, San Juan County, New Mexico. This well was completed February 29, 1959. The top of the perforations is at 5548 feet.

(5) That the evidence presently available establishes that the Simpson-Gallup Oil Pool can be efficiently and economically drained and developed on 80-acre oil proration units.

(6) That during the temporary period in which this order will be in effect, all operators in the subject pool should gather all available information relative to drainage and recoverable reserves in said pool.

(SIMPSON-GALLUP POOL - Cont'd.)

(7) That this case should be reopened at an examiner hearing in January, 1964, at which time the operators in the subject pool should be prepared to appear and show cause why the Simpson-Gallup Oil Pool should not be developed on 40-acre proration units.

IT IS THEREFORE ORDERED:

(1) That a new pool in San Juan County, New Mexico, classified as an oil pool for Gallup production is hereby created and designated as the Simpson-Gallup Oil Pool consisting of the following-described area:

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Section 23: S/2 Section 25: N/2
Section 24: SW/4 Section 26: NE/4

(2) That Special Rules and Regulations for the Simpson-Gallup Oil Pool are hereby promulgated as follows, effective December 1, 1962.

SPECIAL RULES AND REGULATIONS
FOR THE
SIMPSON-GALLUP OIL POOL

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

RULE 2. Each well completed or recompleted in the Simpson-Gallup Oil Pool shall be located on a standard proration unit containing approximately 80 acres, consisting of any two contiguous quarter-quarter sections of a single governmental quarter section. For the purposes of these rules, a unit containing 79 through 81 contiguous surface acres shall be considered a standard unit.

RULE 3. Each well projected to or completed in the Simpson-Gallup Oil Pool shall be located within 150 feet of the center of either quarter-quarter section in the 80-acre unit; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the 80-acre unit.

RULE 4. For good cause shown, the Secretary-Director may grant an exception to Rule 2 without notice and hearing where an application has been filed in due form, and where the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Lands Survey, or where the following facts exist and the following provisions are complied with:

- (1) The non-standard unit consists of a single quarter-quarter section or lot.
- (2) The non-standard unit consists of not more than 81 acres.
- (3) The entire non-standard unit may reasonably be presumed to be productive of oil from said pool.
- (4) The applicant presents written consent in the form of waivers from all offset operators.
- (5) In lieu of Paragraph 4 of this rule, the applicant may furnish proof that all offset operators were notified of his intent to form such non-standard unit. The Secretary-Director

may approve the application if, after a period of 30 days, no offset operator has entered an objection to the formation of the non-standard unit.

RULE 5. The allowable assigned to any non-standard proration unit shall bear the same ratio to a standard allowable in the Simpson-Gallup Oil Pool as the acreage in the non-standard unit bears to 80 acres.

RULE 6. A standard proration unit in the Simpson-Gallup Oil Pool shall be assigned an 80-acre proportional factor of 2.33 for allowable purposes, and in the event there is more than one well on a standard proration unit, the operator may produce the allowable assigned to the unit from said wells in any proportion.

(3) That operators who propose to dedicate 80 acres to a well in the Simpson - Gallup Oil Pool must file an amended Commission Form C-128 with the Aztec District Office of the Commission by December 1, 1962, in order that the well may be assigned an 80-acre allowable on the December proration schedule.

(4) That this case shall be reopened at an examiner hearing in January, 1964, at which time the operators in the subject pool may appear and show cause why the Simpson-Gallup Oil Pool should not be developed on 40-acre proration units.

(5) That 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.

OGALALLA FORMATION
(Oil Recovery and Sale)
Lea County, New Mexico

Order No. R-2902, Authorizing Recovery and Sale of Oil From Water Wells Completed in the Ogalalla Formation, Section 30, Township 18 South, Range 38 East, Lea County, New Mexico, May 4, 1965.

Application of Joseph O. Walton to Remove and Market Oil From the Ogalalla Formation, Lea County, New Mexico.

CASE NO. 3235
Order No. R-2902

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on April 14, 1965, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

07/07/00 09:15:36
OGOMES -TP2F

API Well No : 30 45 26200 Eff Date : 01-01-1998 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 167067 CROSS TIMBERS OPERATING COMPANY
Prop Idn : 22642 T L RHODES C

Well No : 003E
GL Elevation: 6001

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: 2	31	28N	11W	FTG 1415 F N FTG	580 F W	P

Lot Identifier:
Dedicated Acre: 317.85
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

December 31, 1984

TONY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Amoco Production Company
501 Airport Drive
Petroleum Center Building
Farmington, New Mexico 87401

Attention: W. J. Holcomb

AMENDED
Administrative Order NSL-1959

Gentlemen:

Reference is made to your application for a non-standard location for your T. L. Rhodes "C" Well No. 3E to be located 1415 feet from the North line and 580 feet from the West line of Section 31, Township 28 North, Range 11 West, NMPM, Simpson Gallup and Basin Dakota Pools, San Juan County, New Mexico. The SW/4 NW/4 of Section 31 shall be dedicated to the Simpson Gallup and the N/2 of Section 31 shall be dedicated to the Basin Dakota Pool.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. L. Stamets".

R. L. STAMETS, DIRECTOR

RLS/GPQ/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

December 31, 1984

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Amoco Production Company
501 Airport Drive
Petroleum Center Building
Farmington, New Mexico 87401

Attention: W. J. Holcomb

Administrative Order NSL-1959

Gentlemen:

Reference is made to your application for a non-standard location for your T. L. Rhodes "C" Well No. 3E to be located 1415 feet from the North line and 580 feet from the West line of Section 31, Township 28 North, Range 11 West, NMPM, Simpson Gallup and Basin Dakota Pools, San Juan County, New Mexico. The SW/4 SW/4 of Section 31 shall be dedicated to the Simpson Gallup and the N/2 of Section 31 shall be dedicated to the Basin Dakota Pool.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

R. L. STAMETS, DIRECTOR

RLS/GPQ/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs

Should be SW/4 NW/4



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 12-26-84

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL 2 _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 12-7-84

for the Amoco T.L. Rhodes "C" #3E E-31-280-11W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

[Signature]

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401		² OGRID Number 167067
		³ Reason for Filing Code <i>11/198</i> Change of Operator 42/1/97
⁴ API Number 30-045-26200	⁵ Pool Name BASIN DAKOTA	⁶ Pool Code 71599
⁷ Property Code	⁸ Property Name T L RHODES C	⁹ Well Number 3E

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	31	28N	11W		1415	N	580	W	SJ

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description

RECEIVED
DEC 19 1997

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description OIL CON. DIV. DIST. 3
-------------------	----------------------------------------------------------------------------------

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBSD	²⁹ Perforation	³⁰ DHC,DC,MC
³¹ Hole Size	³² Casing and Tubing Size	³³ Depth Set	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Vaughn O. Vernerberg, II*
Printed Name: **Vaughn O. Vernerberg, II**
Title: **Sr. Vice President-Land**
Date: **December 1, 1997** Phone: **(505) 632-5200**

OIL CONSERVATION DIVISIO
Approved by: **Frank T. Chavez**
Title: **Supervisor District #3**
Approval Date:

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator
Gail Jefferson **Gail Jefferson** **Amoco Production Company** **OGRID# 000778**
Senior Administrative Staff Assistant **12/01/97**
Previous Operator Signature Printed Name Title Date

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Engery, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401		² OGRID Number 167067
		³ Reason for Filing Code <i>11/98</i> Change of Operator 12/1/97
⁴ API Number 30-045-26200	⁵ Pool Name SIMPSON GALLUP	⁶ Pool Code 56600
⁷ Property Code	⁸ Property Name T L RHODES C	⁹ Well Number 3E

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	31	28N	11W		1415	N	580	W	SJ

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description

RECEIVED
DEC 19 1997

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--------------------------------------------------

OIL CON. DIV.
DIST. 3

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforation	³⁰ DHC,DC,MC
³¹ Hole Size	³² Casing and Tubing Size	³³ Depth Set	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Vaughn O. Vennerberg</i>	OIL CONSERVATION DIVISIO Approved by: Frank T. Chavez Title: Supervisor District #3 Approval Date:
Printed Name: Vaughn O. Vennerberg, II	
Title: Sr. Vice President-Land	
Date: December 1, 1997 Phone: (505) 632-5200	

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator <i>Gail Jefferson</i> Previous Operator Signature	Gail Jefferson Printed Name	Amoco Production Company Senior Administrative Staff Assistant	OGRID# 000778 12/01/97 Date
------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------	--------------------------------------------------------------------------	-------------------------------------------------

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

OIL CONSERVATION DIVISION

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

'90 AUG 22 AM 11 13

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY		Well API No. 300452620000
Address P.O. BOX 800, DENVER, COLORADO 80201		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input checked="" type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name T L RHODES C	Well No. 3E	Pool Name, Including Formation BASIN DAKOTA (PRORATED GAS)	Kind of Lease State, Federal Or Fee	Lease No.
Location				
Unit Letter E	Feet From The 1415 1100	FNL Line and	Feet From The 800 580	FWL Line
Section 31	Township 28N	Range 11W	SAN JUAN County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
MERIDIAN OIL INC.	3535 EAST 30TH STREET, FARMINGTON, CO 87401					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
EL PASO NATURAL GAS COMPANY	P.O. BOX 1492, EL PASO, TX 79978					
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:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations				Depth Casing Shoe				
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

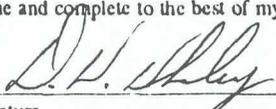
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

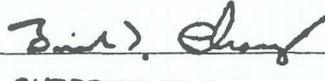
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Choke Size
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.


Signature
Doug W. Whaley, Staff Admin. Supervisor
Printed Name
June 25, 1990
Date
303-830-4280
Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 2 1990
By 
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.
- Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- Separate Form C-104 must be filed for each pool in multiply completed wells.

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

2

NOTICE OF GAS CONNECTION

(5)

DATE June 4, 1985

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM AMOCO Production CO.
Operator

T.L. Rhodes C #3-E (DK)
Well Name

95-254-01 75506-01
Meter Code Site Code

E 31-28-11
Well Unit S-T-R

Basin Dakota
Pool

El Paso Natural Gas Co.
Name of Purchaser

WAS MADE ON May 15, 1985,
Date

FIRST DELIVERY May 29, 1985
Date

AOF 2,680

CHOKER 2,279

F
D45
PGR

EL PASO NATURAL GAS CO.
Purchaser

[Signature]
Representative

Title _____

cc: Operator
Oil Conservation Commission - 27
XXXXXXXXXX - El Paso PRODUCTION CONTROL
LEASE DEVELOPMENT
CONTRACT ADMINISTRATION
File

RECEIVED
JUN 10 1985
OIL DIV.
DIST.

NO. OF LICENSES REQUIRED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.A.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

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

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
APR 29 1985
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
MAR 28 1985
OIL CON. DIV.
DIST. 3

I. Operator: Amoco Production Co.

Address: 501 Airport Drive, Farmington, N M 87401

Reason(s) for filing (Check proper box):
 New Well
 Recompletion
 Change in Ownership
 Change in Transporter of:
 Oil
 Casinghead Gas
 Dry Gas
 Condensate
 Other (Please explain): _____

If change of ownership give name and address of previous owner: _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>T. L. Rhodes "C"</u>	Well No. <u>3E</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Free <u>Federal</u>	Lease No. <u>SE 08084</u>
Location Unit Letter <u>E</u> ; <u>1415</u> Feet From The <u>north</u> Line and <u>580</u> Feet From The <u>west</u> Line of Section <u>31</u> Township <u>28N</u> Range <u>11W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Permian Corporation</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 1702 Farmington, NM 87499</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>El Paso Natural Gas Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 990 Farmington, NM 87499</u>
If well produces oil or liquids, give location of tanks. Unit: <u>E</u> Sec.: <u>31</u> Twp.: <u>28N</u> Rge.: <u>11W</u>	Is gas actually connected? <u>no</u> 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.

BDS Shaw
(Signature)

Adm. Supervisor
(Title)

3/23/85
(Date)

OIL CONSERVATION DIVISION

APPROVED MAR 28 1985, 19____
BY [Signature]
TITLE SUPERVISOR DISTRICT

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 deviated 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 conditions.
Separate Forms C-104 must be filed for each pool in multiple completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well X	Gas Well	New Well X	Workover	Deepen	Plug Back	Some Reev.	Drill R
Date Annulled 2/7/85	Date Compl. Ready to Prod. 3/8/85	Total Depth 6550'			P.B.T.D. 6512'				
Estimate (DF, RKB, RT, GR, etc.) 6001' GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 6322'			Tubing Depth 6435'				
Perforations							Depth Casing Shoe 6550'		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	9-5/8", 32.3#, J55	310'	183 cuft Class B
8-3/4"	7", 23#, J55	6544'	1782 cu ft Class B
	2-3/8"	6435'	

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top of hole for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)		
Length of Test	Tubing Pressure	Casing Pressure	Choke Size	
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF	

GAS WELL

Actual Prod. Test - MCF/D 2279	Length of Test 3 hrs	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (prod, back pr.) Back Presssure	Tubing Pressure (Shut-in) 625 psig	Casing Pressure (Shut-in) 1660 psig	Choke Size .50"

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special		Test Date 3/18/85	
Company Amoco Production Co.		Connection El Paso Natural Gas co.	
Pool Basin		Formation Dakota	
Completion Date 3/8/85	Total Depth 6550	Plug Back TD 6512	Elevation 5989 GR
Farm or Lease Name TL Rhodes "C"		Well No. 3E	
Csg. Size 7,000	Wt. 23	d 6.366	Set At 6544
Perforations: From 6322 To 6430		Well No. 3E	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6435
Perforations: From open To ended		Unit Sec. Twp. Rge. E 31 28 11	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Packer Set At none	
County San Juan		State New Mexico	
Producing Thru tubing	Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P _a
L	H	Gg	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run Taps	

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	7 days						625	1660	
1.	2.375.		.500				418	725	3 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		430	1.000	.9258	1.054	2279
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	XXXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXX
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

NO.	P _i ²	P _w	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.2411$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.1759$
1		737	543169	2252415		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2680$

Absolute Open Flow 2680 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Lite H2O, Heavy condensate, Not flared

Approved By Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By: 8
----------------------	---------------------------------	------------------------------	------------------

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

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" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		APR 15 1985	
2. NAME OF OPERATOR Amoco Production Co.		OIL CONSERVATION DIVISION	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, N M 87401		MAR 28 1985	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1415' FNL x 580' FWL		BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA	
5. PERMIT NO.	6. ELEVATIONS (Show whether OF, RT, CR, etc.) 6001' GR	7. WELL NO. 3E	8. FIELD AND POOL, OR WILDCAT Basin DK/ Simpson GLP
9. UNIT AGREEMENT NAME		10. SEC., T., R., W., OR BLK. AND SURVEY OR AREA SW/NW Sec31, T28N, R11W	11. COUNTY OR PARISH 12. STATE San Juan NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PLUG OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
BROOD OR ACIDIZES <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>completion</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recoinjection Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Moved in and rigged up service unit on 2/21/85. Total depth of the well is 6550' and plugback depth is 6512'. Pressure tested production casing to 3500 psi. Perforated the following Dakota intervals: 6322'-6334', 6348'-6360', 6390'-6430', 2 jspf, .45" in diameter, for a total of 128 holes. Fraced Dakota interval 6322'-6430' with 75,000 gal 70 quality foam and 115,000 # 20-40 sand.

Landed 2-3/8" tubing at 6435' and released the rig on 3/8/85.

RECEIVED
APR 05 1985
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED B. S. Shaw TITLE Adm. Supervisor DATE 3/23/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE APR 03 1985

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

EXPIRES August 31, 1985

6. LEASE DESIGNATION AND SERIAL NO.
SF-080844

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to develop a well. Use APPLICATION FOR PERMIT for such proposals.)

1. OIL WELL GAS WELL OTHER

APR 15 1985

2. NAME OF OPERATOR
Amoco Production Co.

OIL CONSERVATION DIVISION
SANTA FE

8. FARM OR LEASE NAME
T. L. Rhodes "C"

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N M 87401

9. WELL NO.
3E

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 1415' PNL x 580' FWL

RECEIVED

MAR 27 1985

10. FIELD AND POOL, OR WILDCAT
Basin DK/Simpson Gallup

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
sw/nw Sec31, T28N, R11W

14. PERMIT NO.

15. SIZATIONS (Show Farmington Resource Area)
6001' GR

12. COUNTY OR PARISH | 13. STATE
San Juan | NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELL

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Spud and set casing

(NOTE: Report results of multiple completion on Well Completion or Recoupletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spud a 12-1/4" hole at 1800 hrs on 2/7/85. Drilled to 310'. Set 9-5/8", 32.3#, J-55 casing and cemented with 183 cu. ft. Class B Ideal. Circulated cement to surface. Pressure tested casing to 1000 psi. Drilled on 8-3/4" hole to a TD of 6550' on 2/18/85. Set 7", 23#, J-55 casing at 6544'. Stage 1: Cemented with 378 cu. ft. Class B Ideal and tailed in with 531 cu. ft. Class B Ideal. Stage 2: cemented with 873 cu. ft. Class B Ideal. Circulated cement to surface after both stages. The DV tool was set at 3389' and the rig was released on 2/19/85.

RECEIVED

APR 05 1985

OIL CON. DIV.)
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

BA Shaw

TITLE Adm. Supervisor

DATE 3/23/85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

DATE APR 02 1985

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

BY

sm

NMOCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

EXPIRES AUGUST 31, 1985

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" for such proposals.)

LEASE DESIGNATION AND SERIAL NO.
SF-080844

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME
T.L. Rhodes "C"

WELL NO.
3E

FIELD AND POOL, OR WILDCAT
Basin DK/Simpson GLP

SEC., T., R., M., OR BLM. AND SURVEY OR AREA
SW/NW Sec31, T28N, R11W

COUNTY OR PARISH | STATE
San Juan | NM

1. OIL WELL GAS WELL OTHER

APR 15 1985

2. NAME OF OPERATOR

Amoco Production Co.

OIL CONSERVATION DIVISION
SANTA FE

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N.M.

RECEIVED

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

MAR 28 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1415' FNL x 580' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, ST, CR, etc.)

6001' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) **Status Sundry**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company wishes to inform you that the Simpson Gallup formation for the subject well will not be completed until working interest owner approval has been received.

RECEIVED

APR 05 1985

OIL CON. DIV.
DIST. 9

18. I hereby certify that the foregoing is true and correct

SIGNED

BDS Shaw

TITLE **Adm. Supervisor**

ACCEPTED FOR RECORD
3/23/85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE **APR 02 1985**

FARMINGTON RESOURCE AREA

RV

Sm

*See Instructions on Reverse Side

NMOCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Amoco Production Company

3. ADDRESS OF OPERATOR
 501 Airport Drive Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1100' FNL X 800' FWL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles southwest of Bloomfield, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 800'

16. NO. OF ACRES IN LEASE
 1593.85

17. NO. OF ACRES ASSIGNED TO THIS WELL ~~38.98~~ 317.85

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4000' SE

19. PROPOSED DEPTH
 6546'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5989' GR

22. APPROX. DATE WORK WILL START*
 As soon as permitted

23. GENERAL REQUIREMENTS
 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS IMPLEMENTING PROGRAM
 This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, J-55	300'	354 cu. ft. Class B
7-7/8"	4-1/2"	10.5#, K-55	6546'	2238 cu. ft. Class B

(This string may be two staged but the cement types and volumes remain the same.)
 RECEIVED
 FEB 6 - 1985

Amoco proposes to drill the above well to further develop the Basin Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas under contract No. 56,742.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED BDS Shaw TITLE Admin. Supervisor

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL (IF ANY):
 Hold drilling 100% for NSU
 OIL CON. DIV. DIST. 3
 chs

NMOCC

*See Instructions On Reverse Side

APPROVED
 DATE 10-15-84
AS AMENDED
 JAN 16 1985
 J. Stan McKee
 DATE
 ASST. AREA MANAGER
 FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-77

All distances must be from the outer boundaries of the Section.

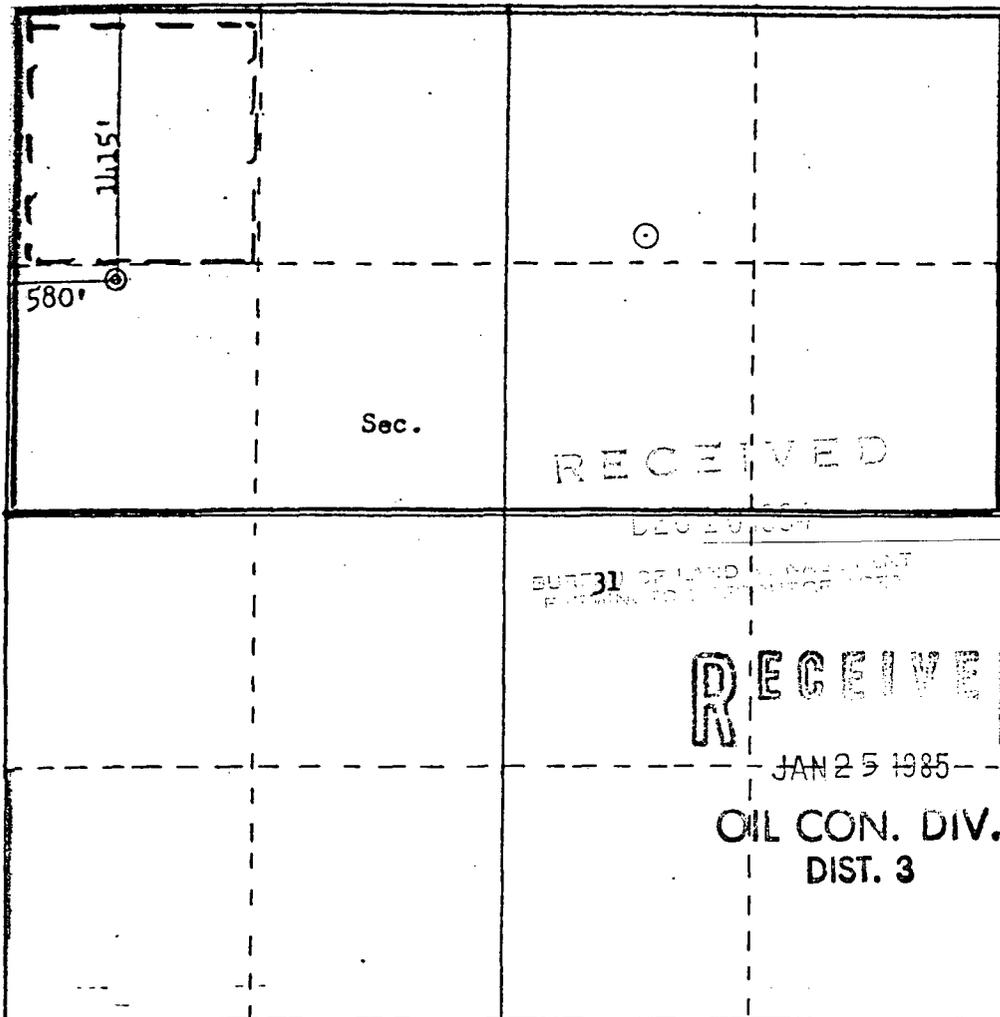
Operator AMOCO PRODUCTION COMPANY			Lease T. L. RHODES "C"		Well No. 3E
Unit Letter E	Section 31	Township 28N	Range 11W	County San Juan	
Actual Footage Location of Well: 1415 feet from the North line and 580 feet from the West line					
Ground Level Elev: 6001	Producing Formation Dakota and Gallup		Pool Basin Dakota and Simpson Gallup		Dedicated Acreage: 317.85 220/40 33.98 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?

Yes No 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 Commission.



CERTIFICATION

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

Original Signed By

B. D. Shaw

Name

B. D. Shaw

Position

Administrative Supervisor

Company

Amoco Production Company

Date

12-6-84

I hereby 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 knowledge and belief.

Date Surveyed

November 8, 1984

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. 4, 4200, 11.

3950

Release December 31, 1984

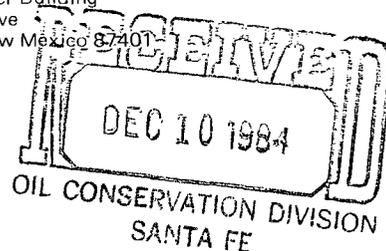
B4 DEC

NSL-1959
RUE-104 F(E)



Amoco Production Company

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841



W. J. Holcomb
District Manager

December 6, 1984

Mr. Gilbert Quintana
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: DDL-1224-400.1

*Dedicated acreage
Simpson Gallup - SW/4 NW/4
Basin Dakota - N/2 of Section 31.*

Application for Unorthodox Location
T. L. Rhodes "C" No. 3E
Basin Dakota and Simpson Gallup Fields
San Juan County, New Mexico

Amoco Production Company hereby requests approval of an unorthodox well location for the T. L. Rhodes "C" No. 3E. The proposed location is 1415' FNL x 580' FWL of Section 31, T28N, R11W, San Juan County, New Mexico.

This well was staked in the unorthodox location indicated above at the request of NIIP to keep the well site out of the path of one of their new sprinkler systems.

A copy of this application is being sent by certified mail to the offset lease holder, National Drilling Company, with the request that they furnish you a waiver of objection and return one copy of the same to me.

Sincerely,

W. J. Holcomb
BAS

KRJ/ct

Attachments

cc: Mr. Ernie Bush
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

_____ hereby waives objection to Amoco's application for an unorthodox location as proposed above.

By: _____ Date: _____

AM18

R12W R11W

<p>25</p> <p>Amoco GCU #265</p> <p>50th N Mediana Dr. 1/28</p>	<p>36</p> <p>Amoco GCU #245</p> <p>Amoco GCU #244</p>	<p>1</p> <p>Tenneco Allen A #1</p> <p>Tenneco Dudley Cornell A #1E</p>
<p>30</p> <p>Amoco T.L. Rhodes C #1</p> <p>Amoco T.L. Rhodes C #2</p>	<p>31</p> <p>Amoco T.L. Rhodes C #3</p> <p>Amoco GCU #95</p> <p>Amoco GCU #95E</p>	<p>6</p> <p>Mesa Pt. Fed #6E</p> <p>Mesa Pt. Fed #6</p>
<p>29</p> <p>Arco UN Krause UN Fed #6</p> <p>Arco UN Krause UN Fed #8E</p> <p>Arco UN Krause UN Fed #6E</p> <p>Arco UN Fed #8</p>	<p>32</p> <p>Arco Krause UN Fed #1E</p> <p>Arco Krause UN Fed #7</p> <p>Arco Krause UN Fed #7E</p> <p>Arco Krause UN Fed #1</p>	<p>5</p> <p>Beta Dev Fishfield S #1</p> <p>Beta Dev Fishfield Fed #1</p>

T 28 N
T 29 N

- ▲ BASIN DAKOTA
- SIMPSON GALLUP

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

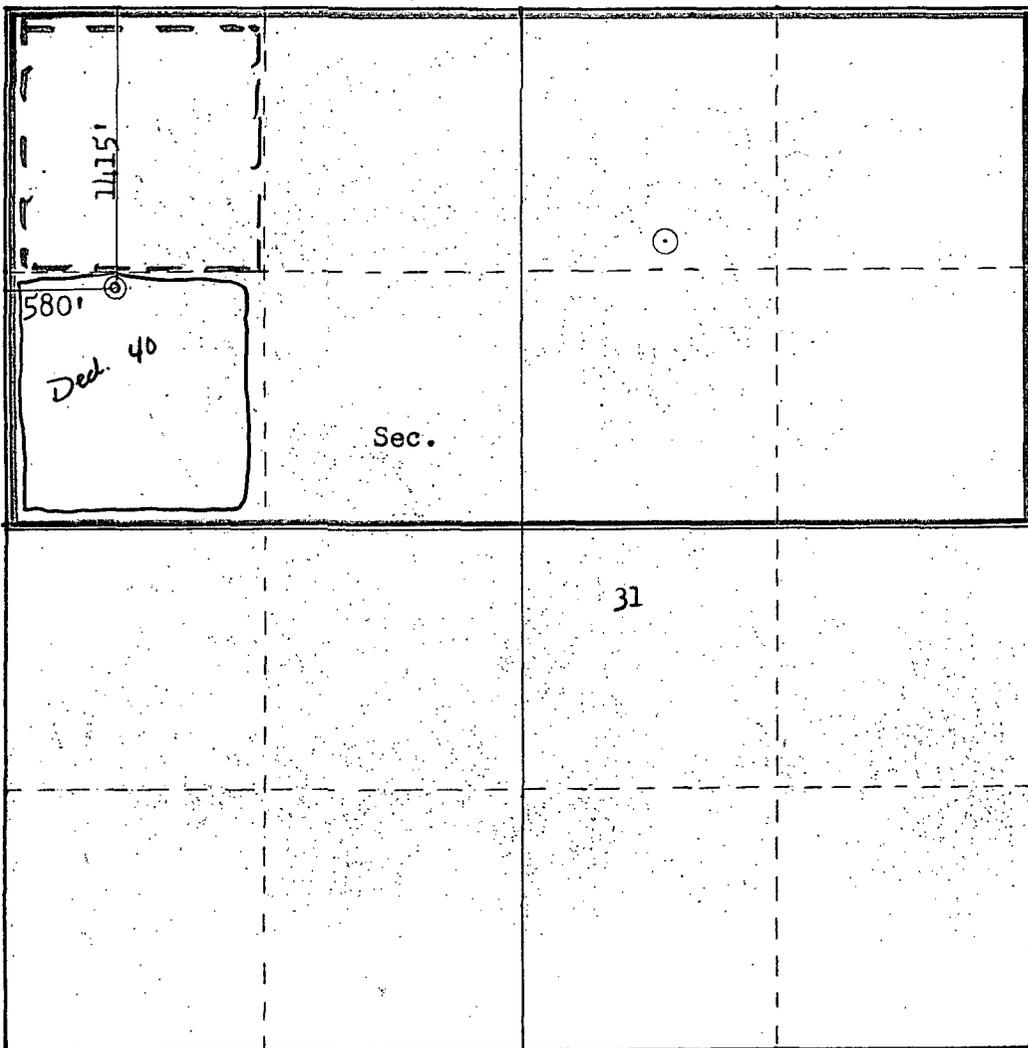
Operator AMOCO PRODUCTION COMPANY			Lease T. L. RHODES "C"		Well No. 3E
Unit Letter E	Section 31	Township 28N	Range 11W	County San Juan	
Actual Footage Location of Well: 1415 feet from the North line and 580 feet from the West line					
Ground Level Elev. 6001	Producing Formation Dakota and Gallup		Pool Basin Dakota and Simpson Gallup		Dedicated Acreage: 320/40 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?

Yes No 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 Commission.



Scale: 1"=1000'

CERTIFICATION

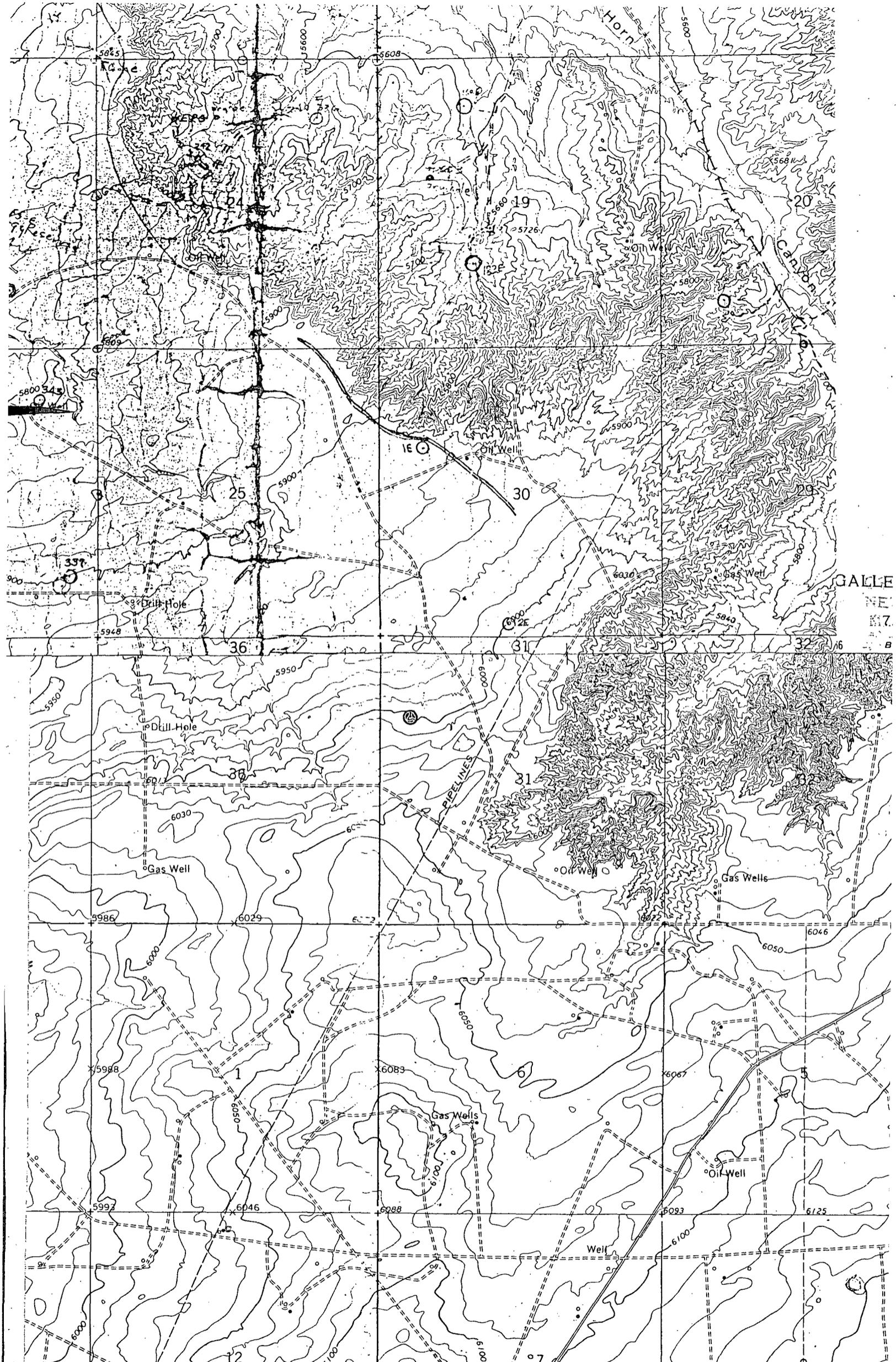
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B.D. Shaw

Name B. D. Shaw
Position Administrative Supervisor
Company Amoco Production Company
Date 12-6-84

I hereby 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 knowledge and belief.

Date Surveyed November 8, 1984
Registered Professional Engineer and Land Surveyor <i>Fred B. Kern Jr.</i> Fred B. Kern Jr.
Certificate No. 3950



Vicinity Map for
AMOCO PRODUCTION CO. #3E T. L. RHODES "C"
11 1/2' FNL 580' FWL Sec. 31-T28N-R11W
SAN JUAN COUNTY, NEW MEXICO