

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

RECEIVED  
DEC 15 1999

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

5. LEASE DESIGNATION AND SERIAL NO.  
**SF - 077941 A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
**C. A. McAdams D #1**

9. API WELL NO.  
**30-045-11561**

10. FIELD AND POOL, OR WILDCAT  
**Angel Peak Gallup**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec 20, T27N, R10W**

12. COUNTY OR PARISH  
**San Juan County**

13. STATE  
**NM**

14. PERMIT NO. DATE ISSUED  
**DEC - 9 1999**

15. DATE SPUDDED  
**11/12/65**

16. DATE T.D. REACHED  
**11/23/65**

17. DATE COMPL. (Ready to prod.)  
**10/10/99**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**5,961' GL**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
**6,311'**

21. PLUG, BACK T.D., MD & TVD  
**5,700' (CIBP)**

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
**ROTARY TOOLS 0-TD**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
**Gallup 5,278' - 5,560' (MD & TVD)**

25. WAS DIRECTIONAL SURVEY MADE  
**no**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**IES, GRS**

27. WAS WELL CORED  
**no**

**28. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	368'	12-1/4"	220 sacks	
4-1/2"	10.5#	6,311'	7-7/8"	1,500 sacks	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	PACKER SET (MD)
					2-3/8"	n/a

**31. PERFORATION RECORD (Interval, size and number)**

5,278', 80', 82', 84', 5,374', 76', 78', 80', 82', 84', 86', 5,403', 44', 46', 57', 59', 72', 76' & 5,538'-60' (2 JSPF)(45 holes @ .34" dia.)

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5,538'-60'	750 gals 15% HCL, 27,894 gals gel & 46,000# 20/40 sd.
5,278'-5,476'	750 gals 15% HCL, 43,722 gals gel & 67,000# 20/40 sd.

**33. PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
10/20/99	Plunger lift	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL	GAS - MCF.	WATER - BBL	GAS - OIL RATIO
10/20/99	24 hrs			0	13	.5	

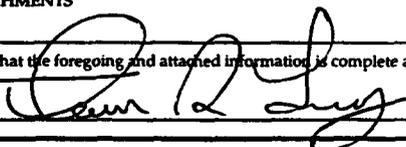
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF.	WATER - BBL	OIL GRAVITY - API (CORR.)
251 psig	356 psig		0	13	.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**To be sold**

TEST WITNESSED BY  
**ACCEPTED FOR RECORD**  
Dennis Jacques

35. LIST OF ATTACHMENTS

6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED:  TITLE **Thomas DeLong, Prod engineer**

FARMINGTON OFFICE  
BY DATE **DEC 02 1999**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and content thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flow and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

RECEIVED  
BLM

5. Lease Serial No.  
SF 077941 A

6. If Indian, Allottee or Tribe Name  
3

SUBMIT IN TRIPLICATE - Other instructions on reverse side

JUN - 9 11:23  
GPO FARMINGTON, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Cross Timbers Operating Company

3a. Address  
 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

3b. Phone No. (include area code)  
 324 1090

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1,910' FSL, 1,540' FWL SEC 20, T 27 N, R 10W

7. If Unit or CA/Agreement, Name and/or No.  
 C.A. McAdams D #1

8. Well Name and No.  
 #1

9. API Well No.  
 30-045-11562

10. Field and Pool, or Exploratory Area  
 Basin Dakota

11. County or Parish, State  
 San Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Cross Timbers Operations request permission to set a CIBP across the Dakota formation and recomplate the well in the Gallup formation per the attached procedure. Upon stabilized production Cross Timbers will submit an application to downhole commingle the well.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED  
JUL - 9 1999  
OIL CON. DIV.  
DIST. 3

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

Name (Printed/Typed) Loren W. Fothergill Title Operations Engineer

*Loren W Fothergill* Date 6-4-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]* Title *[Signature]* Date 6/18/99

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

C. A. MCADAMS D #1  
SEC 20, T 27 N, R 10 W  
San Juan County, New Mexico

Surface csg: 8-5/8", 24#, J-55 csg @ 368'. Cmt'd w/220 sx cl C cmt w/2% CaCl<sub>2</sub>.  
Circ 15 sx to surf.  
Production csg: 4.5", 10.5#, J-55 csg @ 6,311'. DV tool @ 4,484'. Cmt'd 1<sup>ST</sup> stg w/400  
sx cl C cmt w/6% gel & 2#/sx med tuf plug + 100 sx cl C neat. Cmt'd  
2<sup>ND</sup> stg w/1,000 sx cl C cmt w/6% gel & 2#/sx med tuf plug. Circ cmt to  
surf.  
Tbg: 192 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg, Baker model B nipple, perf sub,  
2-3/8" OPMA (EOT @ 6,142').  
Perfs: 6,124'-32', 6,154'-62', 6,212'-6,232'  
Current Status: SI.  
WI: 100%.

1. Test anchors on location.
2. MIRU PU w/pmp, pit & swivel pkg. MI 5 jts 2-3/8" tbg. Check casing and bradenhead for pressure.
3. Set 4 400 bbl frac tnks & fill w/2% KCl wtr.
4. ND WH. NU and pressure test BOP.
5. PU & TIH w/± 5 jts 2-3/8" tbg & tag for sd. Report any fill to Loren Fothergill.
6. TOH w/2-3/8" tbg. Inspect tbg for scale or corrosion. If scale is found, test for solubility in 15% HCl acid.
7. MIRU WL. Run GR/CCL fr/6,275' (PBSD)-1,000'.
8. RIH w/WL set BP. Set CIBP @ 5,700' (chk CCL for csg collars).
9. Press tst CIBP & csg to 3,500 psig.
10. RU WL. Perf Tocito Gallup fr/5,538'-60' w/2 JSPF, (22' net pay, total 45 - 0.34" holes).
11. BD perfs fr/5,538'-60' & ball off perfs using 500 gals 15% HCl acid dropping 68 ball sealers. RIH w/junk basket & recover balls. Frac perfs w/attached frac procedure.
12. RU WL. RIH w/WL set BP. Set CIBP @ 5,500' (chk CCL for csg collars).
13. Perf Main Gallup @ 5,278', 80', 82', 84', 5,374', 76', 78', 80', 82', 84', 86', 5,403', 44', 46', 57', 59', 72' & 76', w/1 JSPF, (58' net pay, total 18 - 0.34" holes).
14. BD perfs fr/5,278'-5,476' & ball off perfs using 500 gals 15% HCl acid dropping 27 ball sea. RIH w/junk basket & recover balls. Frac perfs w/attached frac procedure.

15. Flw back csg on ck manifold to pit. Start with 10/64" ck. If sd production is minimal increase ck size until sd production increases.
16. PU & TIH w/3-7/8" bit, 4 – 3-1/8" DC's & 2-3/8" tbg.
17. CO to CIBP @ 5,500'.
18. TOH w/3-7/8" bit, 4 – 3-1/8" DC's & 2-3/8" tbg. LD bit & DC's.
19. TIH w/2-3/8" production tbg as follows: NC, SN, ± 175 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Land tbg @ 5,450'.
20. Swab well in. Flw well to prod pit. Rpt rates and pressures to Loren Fothergill. RDMO PU.
21. First deliver Gallup. Produced well for 2 months or until a decline curve is determined.
22. Obtain DHC permit fr/NMOCD.
23. MIRU PU w/pmp, pit & swivel pkg. MI 30 jts 2-3/8" tbg. Check casing and bradenhead for pressure.
24. ND WH. NU and pressure test BOP.
25. PU & TIH w/± 8 jts 2-3/8" tbg & tag for sd. Report any fill to Loren Fothergill.
26. TOH w/2-3/8" tbg. Inspect tbg for scale. If scale is found, test for solubility in 15% HCl acid.
27. PU & TIH w/3-7/8" bit, 4 3-1/8" DC's & 2-3/8" tbg. Tag CIBP @ 5,500' & DO CIBP w/air foam unit.
28. CO to PBTD @ 6,275'.
29. TIH w/2-3/8" production tbg as follows: NC, SN, 192 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Land tbg @ ± 6,140'.
30. Swab well in. Flw well to prod pit. Rpt rates and pressures to Loren Fothergill. RDMO PU.

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 S. 1st Street, Artesia, NM 88210-2834  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

Form C-10  
 Revised October 18, 19  
 Instructions on ba  
 Submit to Appropriate District C  
 State Lease - 4 Copi  
 Fee Lease - 3 Copi

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

RECEIVED  
 BLM

99 JUN -9 PM 12:43

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-11562		<sup>2</sup> Pool Code 02170		<sup>3</sup> Pool Name Angel Peak Gallup	
<sup>4</sup> Property Code 022599		<sup>5</sup> Property Name C. A McAdams D			<sup>6</sup> Well Number #1
<sup>7</sup> OGRID No. 167067		<sup>8</sup> Operator Name Cross Timbers Operating Company			<sup>9</sup> Elevation 5973' KB

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	20	27 N	10 W		1910	South	1540	West	San Juan

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>RECEIVED          JUL - 9 1999          OIL CON. DIV.          DIST. 3</p>	<p><sup>17</sup> OPERATOR CERTIFICATION          I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Loren W Fothergill</i>          Signature          Loren W. Fothergill          Printed Name          Operations Engineer          Title          June 4, 1999          Date</p>
		<p><sup>18</sup> SURVEYOR CERTIFICATION          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 belief.</p> <p>October 13, 1965          Date of Survey          Signature and Seal of Professional Surveyor:  <i>Signed by</i>          Ernest V. Fehoback          3602          Certificate Number</p>

HOLD COPY FOR NSL (E)

BLM CONDITIONS OF APPROVAL

Operator Cross Timbers Operating Company Well Name 1 C.A. McAdams D  
Legal Location 1910' FSL/1540' FWL Sec. 20, T. 27 N, R. 10 W.  
Lease Number SF-077941-A Field Inspection Date n/a

The following stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to the BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

**STANDARD STIPULATIONS FOR ALL WORKOVERS:** All surface areas disturbed during workover activities and not in use for production activities, will be reseeded the first July-September period after the well has been put back into production. This should occur in the first 12 months after completion of workover activities.

**SPECIAL STIPULATIONS FOR THIS SITE:**

1. Pits will be fenced during work-over operation.
2. All disturbance will be kept on existing pad.
3. Empty and reclaim pit after work completed.
4. Pits will be lined with an impervious material at least 8 mils thick.
5. No construction, drilling or completion activities shall be conducted between March 1 to June 30 because of active raptor nesting.

**Conditions of Approval:  
Notice of Intent to Recomplete & Commingle**

Cross Timbers Operating Company  
C.A. McAdams D No. 1  
1910' FSL & 1540' FWL  
Sec 20-27N-10W

- 1) Notify the Farmington District Office Inspection and Enforcement Division @ (505) 599-8907 within 24 hours prior to commencing plug back and recompletion operations.
- 2) Prior to commencing recompletion operations, BOPE must be installed and tested in accordance with the requirements outlined in Onshore Order No. 2.
- 3) Within 30 days of completion of the operations as proposed, file one original and three copies of Sundry Notice (form 3160-5) providing a detailed description of the operations conducted. In addition, file an original and three copies of Well Completion Report (form 3160-4) for the Gallup and Dakota Formations.
- 4) This approval is for the operational activities only, file appropriate allocation factors for down hole commingling upon obtaining adequate well test data from the Gallup and Dakota formations. Supporting technical data used to determine the allocation factors should include the following:
  - Well bore diagram
  - Formation Production Tests
  - Gas Analysis
  - Pressure Data corrected to a common datum
  - Any other supporting data

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**

<sup>1</sup> Operator name and Address <b>CROSS TIMBERS OPERATING COMPANY</b> 6001 Highway 64 Farmington, NM 87401		<sup>2</sup> OGRID Number 167067
		<sup>3</sup> Reason for Filing Code <i>1/1/98</i> Change of Operator <del>12/1/97</del>
<sup>4</sup> API Number 30-045-11561	<sup>5</sup> Pool Name BASIN DAKOTA	<sup>6</sup> Pool Code 71599
<sup>7</sup> Property Code	<sup>8</sup> Property Name C A MCADAMS D	<sup>9</sup> Well Number 1

**II. <sup>10</sup> Surface Location**

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	20	27N	10W		1910	S	1540	W	SJ

**<sup>11</sup> 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
<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date			
F									

**III. Oil and Gas Transporters**

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

**RECEIVED**  
DEC 19 1997

**IV. Produced Water**

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
	<b>OIL CON. DIV.</b> <b>DIST. 3</b>

**V. Well Completion Data**

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

**VI. Well Test Data**

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

<sup>47</sup> 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. Vennerberg, II*  
Printed Name: Vaughn O. Vennerberg, 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:

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

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

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources  
Department

98554301

Form C-104

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

OIL CONSERVATION DIVISION

RECEIVED  
SEP 27 1995  
AM 8 52

AMENDED REPORT

PO Box 2088

Santa Fe, NM 87504-2088

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address  AMOCO PRODUCTION COMPANY 200 AMOCO COURT FARMINGTON, NM 87401		<sup>2</sup> OGRID Number 000778
		<sup>3</sup> Reason for Filing Code CO
<sup>4</sup> API Number 300451156100	<sup>5</sup> Pool Name BASIN-DAKOTA-GAS	<sup>6</sup> Pool Code 071599
<sup>7</sup> Property Code 000847	<sup>8</sup> Property Name USA-C A MCADAMS /D/	<sup>9</sup> Well Number 1

II. <sup>10</sup> Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the 1910	North/South Line	Feet from the 1540	East/West Line	County
K	0020	027	010			S		W	SAN JUAN

<sup>11</sup> Bottom Hole Location

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

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
9018	GIANT REFINING BOX 12999 SCOTTSDALE AZ 85267	0216510	O	
7057	EPNG P.O. BOX 4990 FARMINGTON NM 87499	0216530	G	

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBSD	<sup>29</sup> Perforations
<sup>30</sup> Hole Size	<sup>31</sup> Casing & Tubing Size	<sup>32</sup> Depth Set	<sup>33</sup> Sacks Cement	

VI. Well Test Data

<sup>34</sup> Date New Oil	<sup>35</sup> Gas Delivery Date	<sup>36</sup> Test Date	<sup>37</sup> Test Length	<sup>38</sup> Tbg. Pressure	<sup>39</sup> Csg. Pressure
<sup>40</sup> Choke Size	<sup>41</sup> Oil	<sup>42</sup> Water	<sup>43</sup> Gas	<sup>44</sup> AOF	<sup>45</sup> Test Method

<sup>46</sup> 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: *J. P. Shaheen*

Printed Name: J. P. SHAHEEN

Title: SENIOR BUSINESS ANALYST

Date: 9/27/95

Phone: (505) 326-9413

OIL CONSERVATION DIVISION

Approved by:

*J.P.S.*

Title:

SUPERVISOR DISTRICT #3

Approval Date:

SEP 27 1995

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

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources  
Department

98554301  
Form C-104  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
RECEIVED  
SEP 27 1995  
PM 8 52

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address  AMOCO PRODUCTION COMPANY 200 AMOCO COURT FARMINGTON, NM 87401		<sup>2</sup> OGRID Number 000778
		<sup>3</sup> Reason for Filing Code CO
<sup>4</sup> API Number 300451156100	<sup>5</sup> Pool Name BASIN-DAKOTA-GAS	<sup>6</sup> Pool Code 071599
<sup>7</sup> Property Code 000847	<sup>8</sup> Property Name USA-C A MCADAMS /D/	<sup>9</sup> Well Number 1

II. <sup>10</sup>Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
K	0020	027	010		1910	S	1540	W	SAN JUAN

<sup>11</sup>Bottom Hole Location

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

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
9018	GIANT REFINING BOX 12999 SCOTTSDALE AZ 85267	0216510	O	
7057	EPNG P.O. BOX 4990 FARMINGTON NM 87499	0216530	G	

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<sup>29</sup> Perforations
<sup>30</sup> Hole Size	<sup>31</sup> Casing & Tubing Size	<sup>32</sup> Depth Set	<sup>33</sup> Sacks Cement	

VI. Well Test Data

<sup>34</sup> Date New Oil	<sup>35</sup> Gas Delivery Date	<sup>36</sup> Test Date	<sup>37</sup> Test Length	<sup>38</sup> Tbg. Pressure	<sup>39</sup> Csg. Pressure
<sup>40</sup> Choke Size	<sup>41</sup> Oil	<sup>42</sup> Water	<sup>43</sup> Gas	<sup>44</sup> AOF	<sup>45</sup> Test Method

<sup>46</sup>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: *J. P. Shaheen*

Printed Name: J. P. SHAHEEN

Title: SENIOR BUSINESS ANALYST

Date: 9/27/95

Phone: (505) 326-9413

OIL CONSERVATION DIVISION

Approved by:

*J.P.S.*

Title:

SUPERVISOR DISTRICT #3

Approval Date:

SEP 27 1995

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

OIL CONSERVATION DIVISION

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

RECEIVED

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
 TO TRANSPORT OIL AND NATURAL GAS

'90 AUG 22 AM 10 57

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 300451156100
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 C A MCADAMS D	Well No. 1	Pool Name, including Formation BASIN DAKOTA (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter K	1910	Feet From The FSL	Line and 1540	Feet From The FWL
Section 20	Township 27N	Range 10W	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.	Gas - MCF	

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
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.

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

OIL CONSERVATION DIVISION

Date Approved JUL 5 1990  
 By *Brian D. Shroy*  
 Title SUPERVISOR DISTRICT #3

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

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

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT



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

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

**Operator**  
Amoco Production Company

**Address**  
501 Airport Drive Farmington, NM 87401

**Reason(s) for filing (Check proper box)**

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

**Other (Please explain)**

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

<b>Lease Name</b> C. A. McAdams D	<b>Well No.</b> 1	<b>Pool Name, including Formation</b> Basin Dakota	<b>Kind of Lease</b> State, Federal or Fee
<b>Location</b>			
Unit Letter <u>K</u> ; <u>1910</u> Feet From The <u>South</u> Line and <u>1540</u> Feet From The <u>W</u>			
Line of Section <u>20</u> Township <u>27N</u> Range <u>10W</u> , NMPM, <u>San Jua</u>			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

<b>Name of Authorized Transporter of Oil</b> <input type="checkbox"/> or <b>Condensate</b> <input checked="" type="checkbox"/>	<b>Address (Give address to which approved copy)</b>
Permian Corp.	P. O. Box 1702 Farmington,
<b>Name of Authorized Transporter of Casinghead Gas</b> <input checked="" type="checkbox"/> or <b>Dry Gas</b> <input checked="" type="checkbox"/>	<b>Address (Give address to which approved copy)</b>
El Paso Natural Gas Company	P. O. Box 990 Farmington,
<b>If well produces oil or liquids, give location of tanks.</b>	<b>Is gas actually connected?</b>
Unit <u>K</u> Sec. <u>20</u> Twp. <u>27N</u> Rge. <u>10W</u>	<u>No</u>

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.

BD Shaw  
(Signature)

Admin. Supervisor

(Title)  
1-2-85

RECEIVED  
JAN 03 1985

OIL CON. DIV.

OIL CONSERVATION DIVISION

APPROVED JAN  
BY [Signature]  
TITLE SUPERVISOR

This form is to be filed in compliance with the rules and regulations of the Oil Conservation Division. If this is a request for allowable (or recompletion), this form must be accompanied by a test taken on the well in accordance with the rules and regulations of the Oil Conservation Division. All sections of this form must be filled out on new and recompleted wells. Fill out only Sections I, II, III, and IV on this form. Separate Forms C-104 must be filed on recompleted wells.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

NO. OF COPIES RECEIVED		
DISTRIBUTION		
TAXY FEE		
FILE		
U.S.G.A.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Amoco Production Company

Address  
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)

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

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name C. A. McAdams D	Well No. 1	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee F
Location			
Unit Letter <u>K</u> : <u>1910</u> Feet From The <u>South</u> Line and <u>1540</u> Feet From The <u>We</u>			
Line of Section <u>20</u> Township <u>27N</u> Range <u>10W</u> , NMPM. <u>San Juan</u>			

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)
Permian Corp.	P. O. Box 1702 Farmington, NM
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of)
EI Paso Natural Gas Company	P. O. Box 990 Farmington, NM
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>K</u> <u>20</u> <u>27N</u> <u>10W</u> <u>No</u>

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.

BD Shaw  
(Signature)

Admin. Supervisor

(Title)

1-2-85

(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_  
BY Frank J. [Signature]  
TITLE \_\_\_\_\_  
SUPER

This form is to be filed in compliance with the rules and regulations of the Oil Conservation Division. If this is a request for allowable (or a retest) for a well, this form must be accompanied by a copy of the tests taken on the well in accordance with the rules and regulations. All sections of this form must be filled in on new and recompleted wells. Fill out only Sections I, II, III, and IV. Well name or number, or transporter, or other information. Separate Forms C-104 must be filed for recompleted wells.

NMOCD  
Aztec

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C  
Effective 1-1-65

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

I. Amoco Production Company  
Address  
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input checked="" type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Lease No.	Well No.	Pool Name, including Formation	Kind of Lease
C.A. McAdams "D"		1	Basin Dakota	State, Federal or Fee
Location				
Unit Letter				
K	1910	Feet From The	South	Line and
			1540	Feet From The
			West	
Line of Section	20	Township	27N	Range
			10W	, NMPM, San Juan
				County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	or Condensate					
Gary Energy Corp.	<input checked="" type="checkbox"/>	P. O. Box 489 Bloomfield, NM 87413				
Name of Authorized Transporter of Casinghead Gas	or Dry Gas					
El Paso Natural Gas Company	<input checked="" type="checkbox"/>	P.O. Box 990, Farmington, New Mexico				
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	K	20	27N	10W	<input checked="" type="checkbox"/>	

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'
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
11/12/65	12/14/65	6311	6275					
Elevations (DF, R&B, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
5973 RDB, 5961 GR	Dakota	6124	6142					
Perforations				Depth Casing Shoe				
6124-32, 6154-62, 6212-32								
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH-SET	SACKS CEMENT					
12 1/4"	8 5/8"	368	220					
7 7/8"	4 1/2"	6311	1500					
	2 3/8"	6142						

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 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	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
3842	3 Hrs.		
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	311	731	3/4"

VI. CERTIFICATE OF COMPLIANCE

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

*B. Shaw*  
Signature  
Admin. Supervisor

11-1-84  
Date

OIL CONSERVATION COMMISSION  
APPROVED NOV 20 1984, 19  
BY *Frank J. [Signature]*  
TITLE SUPERVISOR DISTRICT # 3

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 allowables 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 multiple completed wells.

NOV 26 1984  
OIL CON. DIV  
DIST. 3

NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		/
FILE		/
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	/
	GAS	/
OPERATOR		/
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104  
Effective 1-1-65

Eff. 2-1-71,  
**Pan American Petro. Corp.**  
has changed its name to  
**AMOCO PROD. CO.**

I. Operator  
**Pan American Petroleum Corporation**  
Address  
**Security Life Building, Denver, Colorado 80202**

Reason(s) for filing (Check proper box) Other (Please explain)

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

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>C.A. McAdams "D"</b>	Lease No.	Well No. <b>1</b>	Pool Name, including Formation <b>Basin Dakota</b>	Kind of Lease State, Federal or Fee <b>Fede</b>
Location				
Unit Letter <b>K</b>	<b>1910</b> Feet From The <b>South</b> Line and <b>1540</b> Feet From The <b>West</b>			
Line of Section <b>20</b>	Township <b>27N</b>	Range <b>10W</b>	, NMPM, <b>San Juan</b> Co	

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)					
<b>Plateau, Inc.</b>	<b>P.O. Box 108, Farmington, New Mexico</b>					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
<b>El Paso Natural Gas Company</b>	<b>P.O. Box 990, Farmington, New Mexico</b>					
If well produces oil or liquids, give location of tanks.	Unit <b>K</b>	Sec. <b>20</b>	Twp. <b>27N</b>	Rge. <b>10W</b>	Is gas actually connected? <b>No</b>	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. P
		<b>X</b>	<b>X</b>					
Date Spudded <b>11/12/65</b>	Date Compl. Ready to Prod. <b>12/14/65</b>	Total Depth <b>6311</b>		P.B.T.D. <b>6275</b>				
Elevations (DF, RKB, RT, GR, etc.) <b>5973 RDB, 5961 GR</b>	Name of Producing Formation <b>Dakota</b>	Top Oil/Gas Pay <b>6124</b>		Tubing Depth <b>6142</b>				
Perforations <b>6124-32, 6154-62, 6212-32</b>						Depth Casing Shoe		
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<b>12 1/4"</b>	<b>8 5/8"</b>		<b>368</b>		<b>220</b>			
<b>7 7/8"</b>	<b>4 1/2"</b>		<b>6311</b>		<b>1500</b>			
	<b>2 3/8"</b>		<b>6142</b>					

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 tests taken on 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

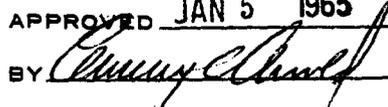
Actual Prod. Test-MCF/D <b>3842</b>	Length of Test <b>3 Hrs.</b>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <b>Back Pressure</b>	Tubing Pressure <b>311</b>	Casing Pressure <b>731</b>	Choke Size <b>3/4"</b>

VI. CERTIFICATE OF COMPLIANCE

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

  
**D.I. Tollefson**  
(Signature)  
**Administrative Assistant**  
(Title)  
**12/27/65**  
(Date)

OIL CONSERVATION COMMISSION

APPROVED **JAN 5 1965**, 19\_\_\_\_  
BY   
TITLE **Supervisor Dist. # 3**

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Pan American Petroleum Corporation**

3. ADDRESS OF OPERATOR  
**Security Life Building, Denver, Colorado 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1910 FSL, 1540 FWL Sec. 20 NRSW**  
At top prod. interval reported below  
At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**SP - 077941 - A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**C.A. McAdams "D"**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Basin Dakota**

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 20, T27N R10W**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**New Mexico**

15. DATE SPUDDED **11/12/65** 16. DATE T.D. REACHED **11/23/65** 17. DATE COMPL. (Ready to prod.) **12/14/65** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5973 RDB, 5961 GR** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6311** 21. PLUG, BACK T.D., MD & TVD **6275** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY **Surface** 24. CABLE TOOLS **6311** 25. CABLE TOOLS **---**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**6124-32, 6154-62, 6212-32 Dakota**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**IES, GRS**

27. WAS WELL CORED  
**No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	368	12 1/4"	220 Sacks	None
4 1/2"	10.5#	6311	7 7/8"	1500 Sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6142	

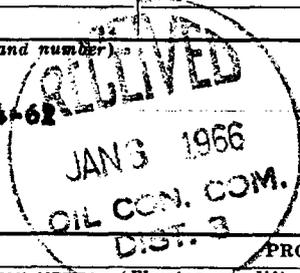
30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

**6212-32, 6124-32, 6154-62 with 4 shots/ft.**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6212-6232	500 gal. acid, 40,000# sand
6124-32, 6154-62	40,000# sand



33.\* PRODUCTION

DATE FIRST PRODUCTION **12/14/65** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Shut In**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/22/65	3	3/4"	→		480		

FLOW. TUBING PRESS. **311** CASING PRESSURE **731** CALCULATED 24-HOUR RATE **→** OIL—BBL. **3842** GAS—MCF. **3842** WATER—BBL. **→** OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**To be sold to El Paso Natural Gas Company**

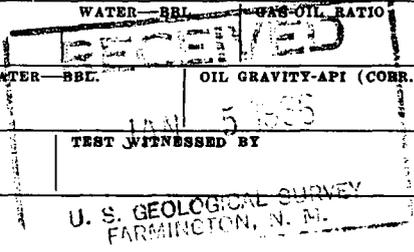
TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ORIGINAL SIGNED BY  
**D. I. TOLLEFSON**

SIGNED **D. I. Tollefson** TITLE **Administrative Assistant** DATE **12/27/65**



\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple-stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**C. A. McAdams "D" #1**

**37. SUMMARY OF POROUS ZONES:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	MEAS. DEPTH	TOP TRUE VERT. DEPTH
<p><b>No DST's on this well</b></p>				<p><b>Los Tops</b></p> <p><b>Pictured Cliffs</b></p> <p><b>Lewis Shale</b></p> <p><b>Mesa Verde</b></p> <p><b>Mancos</b></p> <p><b>Gallup</b></p> <p><b>Base Gallup</b></p> <p><b>Greenhorn</b></p> <p><b>Greenhorn SM</b></p> <p><b>Greenhorn Dak</b></p> <p><b>Main Dakota</b></p> <p><b>Total Depth</b></p>	<p><b>1693</b></p> <p><b>1876</b></p> <p><b>3370</b></p> <p><b>4396</b></p> <p><b>5190</b></p> <p><b>5585</b></p> <p><b>6046</b></p> <p><b>6094</b></p> <p><b>6120</b></p> <p><b>6209</b></p> <p><b>6311</b></p>	

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**SF - 077941 - A**

**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.)

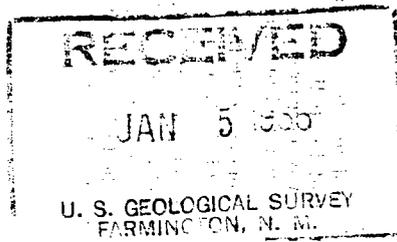
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <b>Pan American Petroleum Corporation</b></p> <p>3. ADDRESS OF OPERATOR <b>Security Life Building, Denver, Colorado 80202</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1910 FSL, 1540 FWL Sec. 20, NE SW</b></p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <b>C. A. McAdams "D"</b></p> <p>9. WELL NO. <b>1</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Basin Dakota</b></p> <p>11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 20, T27N, R10W</b></p> <p>12. COUNTY OR PARISH <b>San Juan</b></p> <p>13. STATE <b>New Mexico</b></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5973 NDB, 5961 GR</b></p>

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"/>	PULL 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"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <b>Supplemental History</b> <input checked="" type="checkbox"/>	
(Other)		(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.)\*

**Drilled to 368. Cemented 8 5/8" 24# J-55 ST&C casing at 368 with 220 sacks type "A" with 2% Cacl. Drilled to 6311. Set 4 1/2" 10.5# J-55 ST&C casing at 6311 with stage collar at 4488. Cemented first stage with 400 sacks type "C" with 6% gal with 2 lbs. Tuf plug per sack, followed by 100 sacks type "C" Heat. Cemented second stage with 1000 sacks type "C" with 6% gal with 2 lbs. Tuf plug per sack. Cleaned out to FPD 6275. Displaced hole with water containing .5% Kcl with 2 1/2 lbs J-100 and spotted 500 gal 7 1/2% acid. Perforated 6212-6232 with 4 shots/ft. Fraced with 36,200 gal water treated as above with 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 2000. Treating pressure 3500 at 56 Bbls/Min. Set bridge plug at 6190. Perforated 6124-6132, 6154-6162 with 4 shots/ft. Fraced with 42,840 gal water treated as above with 30,000 lbs. 20-40 sand followed by 10,000 lbs. 10-20 sand. Breakdown pressure 2350. Treating pressure 3500 at 43 Bbls/Min. Cleaned out to FPD 6275. On 12/22/65 well tested 3842 MCF/day. TPF 311. CPF 731.**

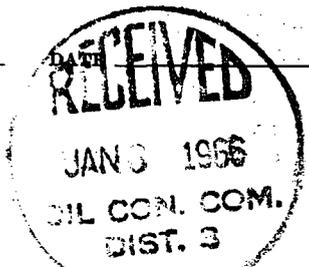


18. I hereby certify that the foregoing is true and correct

SIGNED **D. I. Tollefson** TITLE **Administrative Assistant** DATE **12/27/65**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



PLAIN OFFICE DOC

MAR 22 PM 1 02

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE March 22, 1966

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

THE Pan American Petroleum Corporation

OPERATOR

**CHANGE**  
OK *lll* 20-27-10  
S-T-R

C. A. McAdams D #1  
LEASE

WELL UNIT

Basin Dakota  
POOL

El Paso Natural Gas Company  
NAME OF PURCHASER

WAS MADE ON March 10, 1966 , FIRST DELIVERY March 14, 1966  
DATE DATE

Choke 3,842  
AGP 4,295  
INITIAL POTENTIAL

El Paso Natural Gas Company  
PURCHASER

*Original Signed By: J. W. Rodgers*

REPRESENTATIVE

Chief Dispatcher  
TITLE

CC: TO OPERATOR Denver and Farmington  
OIL CONSERVATION COMMISSION - SANTA FE  
F. N. WOODRUFF - EL PASO  
B. D. ADAMS

FILE

*3-28-66*

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

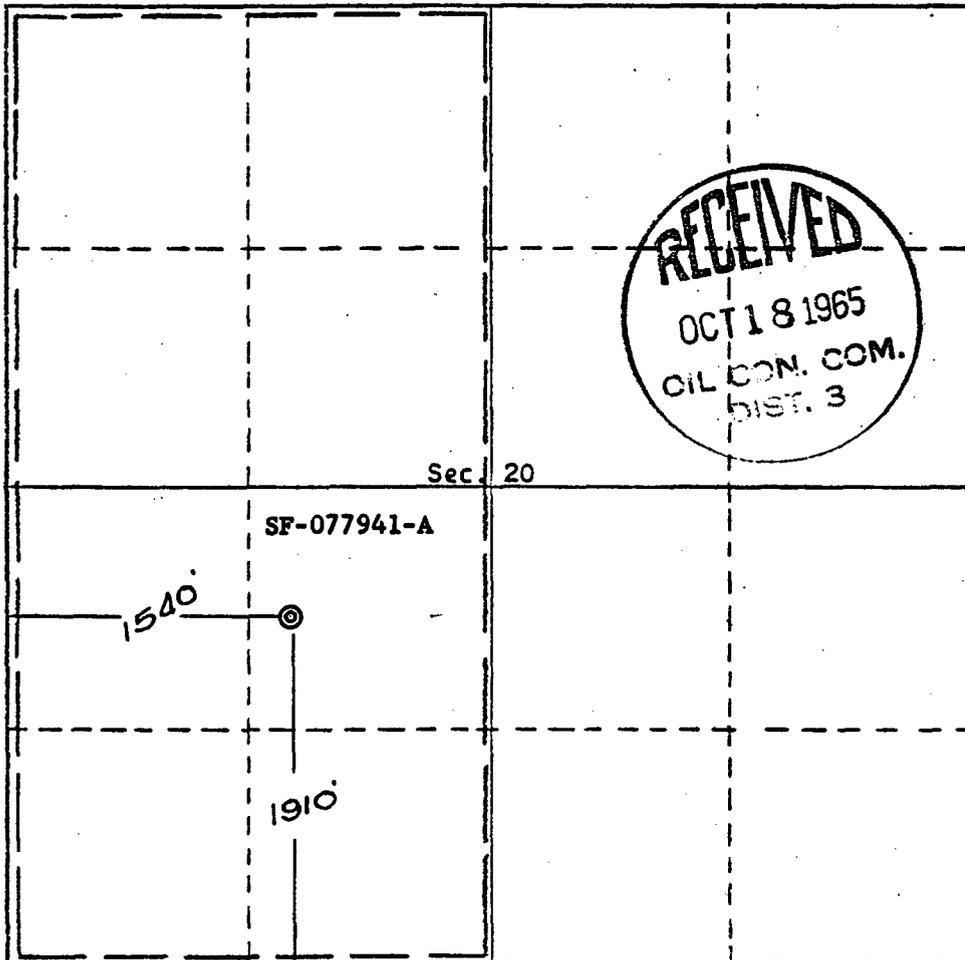
Operator <b>Pan American Petroleum Corporation</b>			Lease <b>C. A. McAdams "D"</b>		Well No. <b>MA 11</b>
Unit Letter <b>K</b>	Section <b>20</b>	Township <b>27 North</b>	Range <b>10 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1910</b> feet from the <b>South</b> line and <b>1540</b> feet from the <b>West</b> line					
Ground Level Elev. <b>Report Later</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>		Dedicated Acreage <b>320</b> 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.

*G. W. Eaton, Jr.*  
Name  
**G. W. Eaton, Jr.**  
Position  
**Area Engineer**  
Company  
**Pan American Petroleum Corp.**  
Date  
**October 13, 1965**

I hereby certify that the location shown on this plat was plotted in the field from actual surveys made by me or under my supervision, and that the same are correct to the best of my knowledge and belief.

Date Surveyed  
**October 5, 1965**  
Registered Professional Engineer and/or Land Surveyor  
*E. H. Cochran*  
Certificate No.  
**3602**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
**PAN AMERICAN PETROLEUM CORPORATION**

3. ADDRESS OF OPERATOR  
**P. O. Box 480, Farmington, New Mexico**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **1910' FWL and 1540' FWL, Section 20, T-27-N, R-10-W**  
 At proposed prod. zone  
**Sams**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**13 miles south of Bloomfield, New Mexico**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any) **1540'**

16. NO. OF ACRES IN LEASE **640**

17. NO. OF ACRES AS TO THIS WELL **3**

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **300'** (Pictured Cliffs)

19. PROPOSED DEPTH **6350'**

20. ROTARY OR CABLE

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **Dry Hole)**  
**To be furnished later**

22. APPR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANT
12-1/4"	8-5/8"	24#	350'	250 sacks
7-7/8"	4-1/2"	10.5#	6350'	1500 sacks set 100' FWL

Completion will be as indicated upon reaching total depth.  
 Copies of any logs run will be furnished upon reaching total depth.  
 Copies of location plat are attached.

Verbal approval Krali to Eaton October 13, 1963.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth, if any.

24. ORIGINAL SIGNED BY  
**G. W. Eaton, Jr.**  
 SIGNED G. W. Eaton, Jr. TITLE Area Engineer  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY CW TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 5813  
Order No. R-5353

APPLICATION OF THE OIL CONSERVATION  
COMMISSION ON ITS OWN MOTION TO CONSIDER  
THE ADOPTION OF GENERAL RULES AND REGULATIONS  
GOVERNING ALL ASSOCIATED OIL AND GAS POOLS OF  
SOUTHEAST AND NORTHWEST NEW MEXICO AND THE  
ADOPTION OF SPECIAL RULES FOR CERTAIN ASSOCIATED  
POOLS.

*also see* R-5353-A  
R-5353-B  
R-5353-B-1  
R-5353-C  
R-5353-D  
R-5353-E  
R-5353-E-1  
R-5353-F  
R-5353-G  
R-5353-H  
R-5353-I  
R-5353-J

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 23, 1976,  
at Santa Fe, New Mexico, before Examiner, Daniel S. Nutter.

NOW, on this 17th day of January, 1977, the Commission,  
a quorum being present, having considered the testimony, the  
record, and the recommendations of the Examiner, 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 Commission has heretofore created and desig-  
nated six pools in Northwest New Mexico and 15 pools in Southeast  
New Mexico as "associated" oil and gas pools, being pools in which  
a gas cap was found to overlie an oil zone.
- (3) That in order to prevent waste and to protect correla-  
tive rights, the Commission has heretofore promulgated special  
rules and regulations for said associated oil and gas pools,  
as follows:

Northwest New Mexico

<u>POOL</u>	<u>COUNTY</u>	<u>ORDER NO.</u>
Angels Peak-Gallup	San Juan	R-1410-C
Devils Fork-Gallup	Rio Arriba	R-5181
Escrito-Gallup	Rio Arriba	R-1793-A
Gallegos-Gallup	San Juan	R-3707
Tapacito-Gallup	Rio Arriba	R-3211
Tocito Dome-Pennsylvanian "D"	San Juan	R-2758

Southeast New Mexico

<u>POOL</u>	<u>COUNTY</u>	<u>ORDER NO.</u>
Bluitt-San Andres	Roosevelt	R-1670-I
Southeast Chaves Queen Gas Area	Chaves	R-4435
South Dagger Draw-Upper Pennsylvanian	Eddy	R-4637
Double L-Queen	Chaves	R-3981-A
Jennings-Delaware	Lea	R-4359
Mesa-Queen	Lea	R-2935
North Paduca-Delaware	Lea	R-3437
Penasco Draw-San Andres-Yeso	Eddy	R-4365
Peterson-Pennsylvanian	Roosevelt	R-4538
Round Tank-Queen	Chaves	R-1670-J
Sawyer-San Andres	Lea	R-1517
Todd-Lower San Andres	Roosevelt	R-1670-G R-3153
Northwest Todd-San Andres	Roosevelt	R-4441
Twin Lakes-San Andres	Chaves	R-4102
Vest Ranch-Queen	Chaves	R-5180

(4) That the aforesaid special rules and regulations for the above-named associated oil and gas pools provide, among other things, for the definition of oil wells and gas wells, the size of oil spacing units and gas spacing units, standard well locations, gas-oil ratio limitations, well testing, and gas well allowables.

(5) That there is a wide variation in the various special pool rules applicable to the aforesaid associated pools, not only in substantive content and purpose, but also in format and general manner of presentation.

(6) That said variations have caused confusion and have resulted in unnecessary administrative burden to both the operators in said pools and the Commission.

(7) That the adoption of general rules applicable to all associated pools, with provision for certain special rules applicable to particular pools only, would tend to eliminate said confusion and would ease the administrative burden of both the operators in said pools and the Commission.

(8) That in order to more nearly equalize the time frame within which oil wells and gas wells in associated pools may produce their current allowable, thereby equalizing withdrawals from their respective portions of the associated reservoir, the general rules for associated pools should provide for a one-month proration period for gas wells, and oil wells should continue to be operated under the provisions of Rule 502 of the Commission General Rules and Regulations.

(9) That in order to provide a reasonable period of time for the production of the current allowable from a gas well in an associated pool, provision should be made in the general associated pool rules for underproduction from such well to be carried forward into subsequent proration periods, provided however, that such underproduction in excess of three times the current monthly allowable should not be carried forward, but should be cancelled.

(10) That in order to provide a reasonable period of time in which overproduction of current allowable by a gas well in an associated pool may be compensated for by underproduction, provision should be made in the general associated pool rules for such overproduction to be carried forward into subsequent proration periods, provided however, that any well which is overproduced by an amount exceeding three times its current monthly allowable should be shut in until such well is overproduced by an amount less than three times its current monthly allowable.

(11) That the volumetric gas allowable formulas applicable to the Bluit-San Andres Associated Pool and the Todd Lower-San Andres Associated Pool are no longer effective and should not be included in the special pool rules for said pools.

(12) That the inclusion of liquid gravity as a criterion in the classification of oil wells and gas wells in the Angels Peak-Gallup, Devils Fork-Gallup, Bluit-San Andres, Peterson-Pennsylvanian, and Todd-Lower San Andres Pools appears to serve no useful purpose, and should be discontinued.

(13) That the Jennings-Delaware Associated Pool and the North Paduca-Delaware Associated Pool, as heretofore created and defined, no longer fit the associated pool classification, and that said pools should be redefined as oil pools subject to the Commission General Rules and Regulations, and the Special Rules for said pools should be rescinded.

(14) That the Northwest Todd-San Andres Associated Pool as previously created and defined no longer fits the associated pool classification and should be redefined as an oil pool and the special pool rules therefor amended to provide only for 80-acre oil well spacing units and a gas-oil ratio limitation of 5,000 to 1.

(15) That the existing special associated pool rules for the remaining 18 associated pools which provide for spacing of oil wells and gas wells, oil well and gas well locations, definition of oil wells and gas wells based on gas-liquid ratios, and special gas-oil ratio limitations, any of which are in conflict with the general rules and regulations for associated pools should be retained, but should be incorporated in one overall order applicable to associated oil and gas pools, and the orders presently applicable to said pools superseded.

(16) That the gas well location requirements for the Double L-Queen Associated Pool should be amended to comply with the general rules and regulations for associated pools.

(17) That all associated pool gas well underproduction should be cancelled as of January 31, 1977.

(18) That the Secretary-Director of the Commission should be authorized to administratively reinstate such cancelled underproduction, up to three times the current monthly allowable, upon a showing by the operator that such underproduction could be made up.

(19) That the rescission, amendment, and supersedure of the Special Pool Rules listed in Finding No. (3) above, and the adoption of General Rules applicable to the associated oil and gas pools in the State of New Mexico in accordance with the above findings will prevent waste and protect correlative rights, is in the public interest, and should be approved.

IT IS THEREFORE ORDERED:

(1) That effective February 1, 1977, general rules and regulations are hereby adopted for the associated oil and gas pools of Northwest and Southeast New Mexico as follows:

GENERAL RULES AND REGULATIONS FOR THE ASSOCIATED OIL AND GAS POOLS OF NORTHWEST NEW MEXICO AND SOUTHEAST NEW MEXICO.

(See Special Pool Rules for each pool for rules applicable to that particular pool. Special Pool Rules will be found in the same classification order as in the General Section. If the Special Rule is in conflict with the General Rule, the Special Rule shall be applicable.)

A. WELL LOCATION AND ACREAGE REQUIREMENTS

RULE 1. Any well drilled to the producing formation of an associated pool regulated by this order and within said pool or within one mile outside the boundary of that pool, and not nearer to nor within the boundaries of another designated pool producing from the same formation, shall be spaced, drilled, operated, and prorated in accordance with the regulations in effect in that pool.

RULE 2. (a) See Special Pool Rules for applicable size of oil and gas spacing and proration units. Unless otherwise specified by the Special Pool Rules, 40-acre units shall comprise a governmental quarter-quarter section substantially in the form of a square, being a legal subdivision of the United States Public Land Surveys; 80-acre units shall comprise two contiguous quarter-quarter sections, being the N/2, S/2, E/2, or W/2 of a single governmental quarter section; 160-acre units shall comprise a governmental quarter section; and 320-acre units shall comprise two contiguous quarter sections, being the N/2, S/2, E/2, or W/2 of a single governmental section.

RULE 2. (b) Each well drilled or completed on a spacing and proration unit within an associated pool governed by these rules shall be located as provided below:

OIL WELLS AND GAS WELLS - NORTHWEST NEW MEXICO

Standard Proration Unit

40 Acres

Location Requirements

Not closer than 330 feet to the boundary of the tract

80, 160 and 320 acres

Not closer than 790 feet to any quarter section line nor closer than 330 feet to any quarter-quarter section line or subdivision inner boundary.

OIL WELLS - SOUTHEAST NEW MEXICO

Standard Proration Unit

Location Requirements

40 Acres

Not closer than 330 feet to the boundary of the tract

80 and 160 acres

Within 150 feet of the center of the quarter-quarter section wherein located

GAS WELLS - SOUTHEAST NEW MEXICO

Standard Proration Unit

Location Requirements

160 Acres

Within 150 feet of the center of the quarter-quarter section wherein located.

320 Acres

Not closer than 660 feet to the nearest side boundary nor closer than 1980 feet to the nearest end boundary of the spacing unit nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary.

RULE 2. (c) The Secretary-Director of the Commission shall have authority to grant an exception to the well location requirements of Rule 2(b) above without notice and hearing when the necessity for such unorthodox location is based upon topographical conditions or the recompletion of a well previously drilled to another horizon, provided said well was drilled at an orthodox location for such original horizon, or where the size and shape of an approved non-standard spacing and proration unit render a standard location impossible.

Applications for administrative approval of unorthodox locations shall be filed in triplicate and shall be accompanied by plats showing the ownership of all leases offsetting the proration or spacing unit for which the unorthodox location is sought, and also all wells completed thereon. If the proposed unorthodox location is based upon topography, the plat shall also show and describe the existent topographical conditions.

All operators of proration or spacing units offsetting the unit for which the unorthodox location is sought shall be notified of the application by certified or registered mail, and the application shall state that such notification has been given. The Secretary-Director may approve the unorthodox location upon receipt of waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 20 days after the Secretary-Director has received the application.

RULE 3. (a) Each gas well shall be located on a standard unit containing 160 acres or 320 acres, more or less, as provided in the special rules for the pool in which it is situate.

(b) Each oil well shall be located on a standard unit containing 40 acres, 80 acres or 160 acres, more or less, as provided in the special rules for the pool in which it is situate.

RULE 4. (a) The District Supervisor of the appropriate district office of the Commission shall have the authority to approve a non-standard unit as an exception to Rule 3(a) or 3(b) without notice and hearing when the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the U. S. Public Land Surveys and the non-standard unit is not less than 75% nor more than 125% of a standard unit.

The District Supervisor of the appropriate district office of the Commission may approve the non-standard unit by:

(1) Accepting a plat showing the proposed non-standard unit and the acreage to be dedicated to the non-standard unit, and

(2) Assigning an allowable to the non-standard unit.

(b) The Secretary-Director of the Commission may grant an exception to the requirements of Rule 3(a) or Rule 3(b), when the unorthodox size or shape of the unit is necessitated

by a variation in the legal subdivision of the U. S. Public Land Surveys and the non-standard unit is less than 75% or more than 125% of a standard unit, or where the following facts exist and the following provisions are complied with:

(1) The non-standard unit consists of quarter-quarter sections or lots that are contiguous by a common bordering side.

(2) The non-standard unit lies wholly within a governmental subdivision or subdivisions which would be a standard unit for the well (half quarter section, quarter section, or half section) but contains less acreage than a standard unit.

(3) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the half quarter section, quarter section or half section (for 80-acre, 160-acre, and 320-acre standard dedications respectively) in which the non-standard unit is situated and which acreage is not included in said non-standard unit.

(4) In lieu of Paragraph (3) of this rule, the applicant may furnish proof of the fact that all of the foresaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Secretary-Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Secretary-Director has received the application.

#### B. WELL CLASSIFICATION AND GAS-OIL RATIO LIMITATION

RULE 5. (a) A well shall be classified as a gas well if it has a gas-liquid ratio of 30,000 or more cubic feet of gas per barrel of liquid hydrocarbons. A well shall be classified as an oil well if it has a gas-liquid ratio of less than 30,000 cubic feet of gas per barrel of liquid hydrocarbons.

(b) The simultaneous dedication of any acreage to an oil well and a gas well is prohibited.

RULE 6. That the limiting gas-oil ratio shall be 2,000 cubic feet of gas for each barrel of oil produced.

RULE 7. An oil well shall be permitted to produce only that amount of gas determined by multiplying the top unit oil allowable for the pool by the limiting gas-oil ratio for the pool. In the event there is more than one oil well on an oil proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

A gas well shall be permitted to produce that amount of gas obtained by multiplying the top unit oil allowable for the pool by the limiting gas-oil ratio for the pool and by a fraction, the numerator of which is the number of acres dedicated to the particular gas well and the denominator of which is a number equal to the number of acres in a standard oil proration unit in such pool. In the event there is more than one gas well on a gas proration unit, the operator may produce the amount of gas assigned to the unit from the wells on the unit in any proportion.

### C. WELL TESTING

RULE 8. The operator of each newly completed well shall cause a gas-liquid ratio test to be taken on the well upon recovery of all load oil from the well, provided however, that in no event shall the test be commenced later than 30 days from the date of first production unless the well is connected to a gas-gathering facility and is producing under a temporary gas allowable assigned in accordance with Rule 11. Any well which is shut-in shall be exempted from the gas-liquid ratio test requirement so long as it remains shut-in. The initial gas-liquid ratio test shall be taken in the manner prescribed by Rule 9. If the gas-liquid ratio is 30,000 cubic feet of gas per barrel of liquid hydrocarbons, or more, the operator shall not produce the well until beneficial use can be made of the gas.

RULE 9. (a) Semi-annual gas-liquid ratio tests shall be taken on all wells during each year in accordance with a test schedule prepared by the district office of the Commission. The initial gas-liquid ratio test shall suffice as the first semi-annual test. Tests shall be 24-hour tests, being the final 24 hours of a 72-hour period during which the well shall be produced at a constant normal rate of production. Results of such tests shall be filed on Commission Form C-116 on or before the 10th day of the following month. At least 72 hours prior to commencement of any such gas-liquid ratio tests, each operator shall file with the appropriate district office of the Commission a test schedule for its wells specifying the time each of its wells is to be tested. Copies of the test schedule shall also be furnished to all offset operators. The supervisor

of the appropriate district office of the Commission may grant an exception to the above test requirements where it is demonstrated that the well(s) produce(s) no liquids.

Special tests shall also be taken at the request of the Secretary-Director and may also be taken at the option of the operator. Such special tests shall be taken in accordance with the procedures outlined hereinabove, including notification to the Commission and offset operators.

(b) The Secretary-Director of the Commission shall have authority to grant pool-wide exceptions to Rule 9(a) above, without notice and hearing upon a showing that production from wells within such pool has stabilized to the point where such tests would be of essentially no value for application of these general rules for associated pools.

RULE 10. An initial shut-in pressure test shall be taken on each gas well and shall be reported to the Commission on Form C-125.

#### D. ASSIGNMENT OF ALLOWABLE

RULE 11. Any well completed after the effective date of these rules shall receive an allowable only upon receipt by the appropriate Commission district office of Commission Forms C-102, C-104, C-116, and, in the case of a gas well, a transporter's notice of gas connection, properly executed. The District Supervisor of the Commission's district office is hereby authorized to assign a temporary gas allowable to wells connected to a gas transportation facility during the recovery of load oil, which allowable shall not exceed the number of cubic feet of gas obtained by multiplying the daily top unit allowable for the pool by the limiting gas-oil ratio for the pool.

#### E. GAS PRORATIONING

RULE 12. The associated gas proration period shall be the proration month which shall begin at 7 a.m. on the first day of the month and shall end at 7 a.m. on the first day of the next succeeding month.

RULE 13. (a) Any associated gas well which has an under-produced status at the end of any associated gas proration period, shall carry such underproduction into subsequent periods.

(b) Underproduction in excess of three times the current monthly allowable shall not be carried forward but shall be cancelled. For purposes of this rule, the monthly allowable shall be the full monthly allowable which would be assigned an associated gas well with the same acreage dedication in the same pool.

(c) Overproduction during any month shall be applied to a well's cumulative underproduction, if any, calculated in accordance with Paragraphs (a) and (b) above.

RULE 14. Any associated gas well which has an overproduced status at the end of any associated gas proration period shall carry such overproduction into subsequent periods. If at any time a well is overproduced an amount exceeding three times its current monthly allowable, it shall be shut in during that month and each succeeding month until the well is overproduced less than three times its current monthly allowable.

RULE 15. The allowable assigned to a well during any one month of an associated gas proration period in excess of the production for the same month shall be applied against the overproduction carried into such period in determining the amount of overproduction, if any, which has not been compensated for.

RULE 16. The Commission may allow overproduction to be compensated for at a lesser rate than would be the case if the well were completely shut in upon a showing after notice and hearing that complete shut in of the well would result in material damage to the well or reservoir.

#### F. REPORTING OF PRODUCTION

RULE 17. The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be reported to the Commission on Form C-115 so as to reach the Commission on or before the 24th day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the produced gas.

RULE 18. Each purchaser or taker of gas shall submit a report to the Commission so as to reach the Commission on or before the 15th day of the month next succeeding the month in which the gas was purchased or taken. Such report shall be filed on Form C-111 with the wells being listed in the same order as they are listed on the appropriate proration schedule.

G. GENERAL PROVISIONS

RULE 19. Failure to comply with any provision of these rules shall result in the immediate cancellation of allowable assigned to the affected well. No further allowable shall be assigned until all rules and regulations have been complied with. The Secretary-Director shall notify the operator of the well and purchaser in writing of the date of allowable cancellation and the reason therefor.

RULE 20. All transporters or users of gas shall file gas well connection notices with the Commission as soon as possible after the date of connection.

RULE 21. Allowables to wells whose classification has changed from oil to gas or from gas to oil as the result of a gas-liquid ratio test shall commence on the first day of the month following the month in which such test was reported, provided that a plat (Form C-102) showing the acreage dedicated to the well and the location of all wells on the dedicated acreage has been filed.

(2) That the above General Rules and Regulations for the Associated Oil and Gas Pools of Northwest New Mexico and Southeast New Mexico shall be applicable to the following associated pools:

NORTHWEST NEW MEXICO

Angels Peak-Gallup	Gallegos-Gallup
Devils Fork Gallup	Tapacito-Gallup
Escrito-Gallup	Tocito Dome-Pennsylvanian "D"

SOUTHEAST NEW MEXICO

Bluitt-San Andres	Penasco Draw-San Andres Yeso
Southeast Chaves Queen Gas Area	Peterson-Pennsylvanian
South Dagger Draw-Upper Pennsylvanian	Round Tank-Queen
Double L-Queen	Sawyer-San Andres
Mesa Queen	Todd-Lower San Andres
	Twin Lakes-San Andres
	Vest Ranch-Queen

(3) That effective February 1, 1977, the following Special Rules and Regulations shall be applicable to the below-named associated pools:

SPECIAL RULES AND REGULATIONS  
FOR THE  
ANGELS PEAK-GALLUP ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres.  
A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
DEVILS FORK-GALLUP ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be <sup>160</sup>~~80~~ acres.  
A standard gas proration unit shall be 320 acres.

R-5353-G

SPECIAL RULES AND REGULATIONS  
FOR THE  
ESCRITO-GALLUP ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres.  
A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
GALLEGOS-GALLUP ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres.  
A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
TAPACITO-GALLUP ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres.  
A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
TOCITO DOME-PENNSYLVANIAN "D" ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 160 acres  
A standard gas proration unit shall be 320 acres.

RULE 2. (b) Oil wells shall be located within 150 feet of  
the center of the quarter-quarter section.

Gas wells shall be located within 150 feet of  
the center of the quarter-quarter section.

RULE 5. (a) A well shall be classified as a gas well if it has a gas-liquid ratio of 20,000 or more cubic feet of gas per barrel of liquid hydrocarbons. A well shall be classified as an oil well if it has a gas-liquid ratio of less than 20,000 cubic feet of gas per barrel of liquid hydrocarbons.

SPECIAL RULES AND REGULATIONS  
FOR THE  
BLUITT-SAN ANDRES ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

RULE 2. (b) Oil wells shall be located within 150 feet of the center of the quarter-quarter section.

Gas wells shall be located not closer than 990 feet to the quarter section line nor closer than 330 feet to any quarter-quarter section line.

SPECIAL RULES AND REGULATIONS  
FOR THE  
SOUTHEAST-CHAVES QUEEN GAS AREA ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres. A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
SOUTH DAGGER DRAW-UPPER PENNSYLVANIAN ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 320 acres. A standard gas proration unit shall be 320 acres.

RULE 2. (b) All oil wells and gas wells shall be located not closer than 660 feet to the nearest side boundary nor closer than 1980 feet to the nearest end boundary of the spacing unit nor closer than 330 feet to any subdivision inner boundary.

RULE 6. The limiting gas-oil ratio shall be 8,000 cubic feet of gas for each barrel of oil produced.

RULE 22. The special depth bracket allowable for an oil well on a 320-acre tract shall be 267 barrels of oil per day.

*See  
5353A*

SPECIAL RULES AND REGULATIONS  
FOR THE  
DOUBLE L-QUEEN ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres.  
A standard gas proration unit shall be 320 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
MESA-QUEEN ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres.  
A standard gas proration unit shall be 160 acres.

RULE 2. (b) Oil wells shall be located no closer than 330 feet to the outer boundary of the quarter-quarter section.

Gas wells shall be located no closer than 330 feet to the outer boundary of the quarter-quarter section.

RULE 6. The limiting gas-oil ratio shall be 5,000 cubic feet of gas for each barrel of oil produced.

SPECIAL RULES AND REGULATIONS  
FOR THE  
PENASCO DRAW SAN ANDRES-YESO POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres.  
A standard gas proration unit shall be 320 acres.

RULE 2. (b) Oil wells shall be located no closer than 330 feet to the outer boundary of the quarter-quarter section.

Gas wells shall be located within 150 feet of the center of the quarter-quarter section.

RULE 5. A well shall be classified as a gas well if it has a gas-liquid ratio of 10,000 or more cubic feet of gas per barrel of liquid hydrocarbons. A well shall be classified as an oil well if it has a gas-liquid ratio of less than 10,000 cubic feet of gas per barrel of liquid hydrocarbons.

*RULE 5. (b) ACC R-5353-H*      *RULE 9. (a) ACC R-5353-H*

SPECIAL RULES AND REGULATIONS  
FOR THE  
PETERSON-PENNSYLVANIAN POOL

RULE 2. (a) A standard oil proration unit shall be 160 acres  
A standard gas proration unit shall be 320 acres.

RULE 5. (a) A well shall be classified as a gas well if it has a gas-liquid ratio of 25,000 or more cubic feet of gas per barrel of liquid hydrocarbons. A well shall be classified as an oil well if it has a gas-liquid ratio of less than 25,000 cubic feet of gas per barrel of liquid hydrocarbons.

RULE 6. The limiting gas-oil ratio shall be 4,000 cubic feet of gas for each barrel of oil produced.

SPECIAL RULES AND REGULATIONS  
FOR THE  
ROUND TANK QUEEN POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres. A standard gas proration unit shall be 160 acres.

RULE 6. The limiting gas-oil ratio shall be 6,000 cubic feet of gas for each barrel of oil produced.

SPECIAL RULES AND REGULATIONS  
FOR THE  
SAWYER-SAN ANDRES POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres. A standard gas proration unit shall be 160 acres.

RULE 2. (b) Oil wells shall be located no closer than 330 feet to the outer boundary of the quarter-quarter section.

Gas wells shall be located no closer than 660 feet to the outer boundary of the quarter section nor closer than 330 feet to a quarter-quarter section line.

RULE 5. (a) A well shall be classified as a gas well if it has a gas-liquid ratio of more than 25,000 cubic feet of gas per barrel of liquid hydrocarbons. All other wells producing from the Sawyer-San Andres Pool shall be classified as oil wells.

SPECIAL RULES AND REGULATIONS  
FOR THE  
TODD-LOWER SAN ANDRES POOL

RULE 2. (a) A standard oil proration unit shall be 80 acres. A standard gas proration unit shall be 320 acres.

RULE 2. (b) Oil wells shall be located within 200 feet of the center of the quarter-quarter section.

Gas wells shall be located no closer than 660 feet to the outer boundary of the quarter section nor closer than 330 feet to a quarter-quarter section line.

SPECIAL RULES AND REGULATIONS  
FOR THE  
TWIN LAKES-SAN ANDRES POOL

*See R-5353F*  
RULE 2. (a) A standard oil proration unit shall be 40 acres.  
A standard gas proration unit shall be 160 acres.

SPECIAL RULES AND REGULATIONS  
FOR THE  
VEST RANCH-QUEEN POOL

RULE 2. (a) A standard oil proration unit shall be 40 acres.  
A standard gas proration unit shall be 320 acres.

(3) That effective February 1, 1977, the following orders, as amended, which apply to the aforementioned associated pools, are hereby superseded:

R-1410-C	R-1670-I	R-1670-J
R-5181	R-4435	R-1517
R-1793-A	R-4637	R-1670-G
R-3707	R-3981-A	R-3153
R-3211	R-2935	R-4102
R-2758	R-4365	R-5180
	R-4538	

(4) That the Jennings-Delaware Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool, and Order No. R-4359 is hereby rescinded, effective February 1, 1977.

(5) That the North Paduca-Delaware Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool, and Order No. R-3437 is hereby rescinded, effective February 1, 1977.

(6) That effective February 1, 1977, the Northwest Todd-San Andres Pool as heretofore classified, defined, and described is hereby reclassified as an oil pool with Order No. R-4441 to be superseded by Order No. R-4441-A, to be issued concomitantly with the instant order, No. R-5353.

(7) That effective January 31, 1977, all underproduction accrued to gas wells in the associated pools affected by this order is hereby cancelled.

(8) That the Secretary-Director of the Commission is hereby authorized to reinstate any well's accrued underproduction cancelled effective January 31, 1977, provided that such reinstated underproduction shall not exceed three times the well's current monthly allowable and provided further that the application for reinstatement of such underproduction shall contain evidence that the affected well is capable of producing such underproduction and that said application is received by the Secretary-Director not later than April 1, 1977.

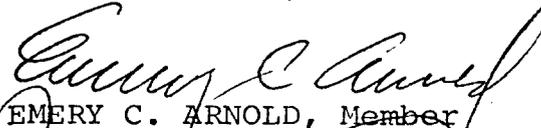
(9) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

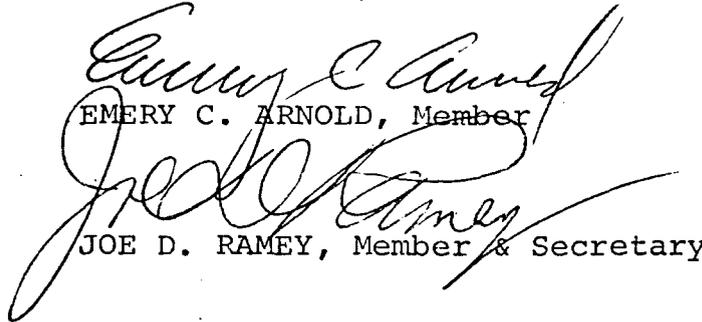
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



PHIL R. LUCERO, Chairman



EMERY C. ARNOLD, Member



JOE D. RAMEY, Member & Secretary

S E A L

dr/

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

01/14/00 11:01:59  
OGOMES -TPQ6  
PAGE NO: 1

Sec : 20 Twp : 27N Rng : 10W Section Type : NORMAL

D 40.00  Federal owned	C 40.00  Federal owned  A	B 40.00  Federal owned	A 40.00  Federal owned
E 40.00  Federal owned	F 40.00  Federal owned	G 40.00  Federal owned  A	H 40.00  Federal owned  A

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

01/14/00 11:02:04  
OGOMES -TPQ6  
PAGE NO: 2

Sec : 20 Twp : 27N Rng : 10W Section Type : NORMAL

L 40.00  Federal owned	K 40.00  Federal owned  A	J 40.00  Federal owned  A	I 40.00  Federal owned  A
M 40.00  Federal owned	N 40.00  Federal owned  A	O 40.00  Federal owned	P 40.00  Federal owned

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

CMD : ONGARD 01/14/00 11:02:13  
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPQ6

API Well No : 30 45 11561 Eff Date : 10-10-1999 WC Status : A  
Pool Idn : 2170 ANGELS PEAK-GALLUP (ASSOCIATED)  
OGRID Idn : 167067 CROSS TIMBERS OPERATING COMPANY  
Prop Idn : 22599 C A MCADAMS D

Well No : 001  
GL Elevation: 5961

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: K	20	27N	10W	FTG 1910 F S	FTG 1540 F W	P

Lot Identifier:

Dedicated Acre: 320.00

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

CMD : ONGARD 01/14/00 11:02:17  
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPQ6

API Well No : 30 45 11561 Eff Date : 01-01-1998 WC Status : A  
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)  
OGRID Idn : 167067 CROSS TIMBERS OPERATING COMPANY  
Prop Idn : 22599 C A MCADAMS D

Well No : 001  
GL Elevation: 5961

U/L Sec Township Range North/South East/West Prop/Act (P/A)

-----  
B.H. Locn : K 20 27N 10W FTG 1910 F S FTG 1540 F W P

Lot Identifier:

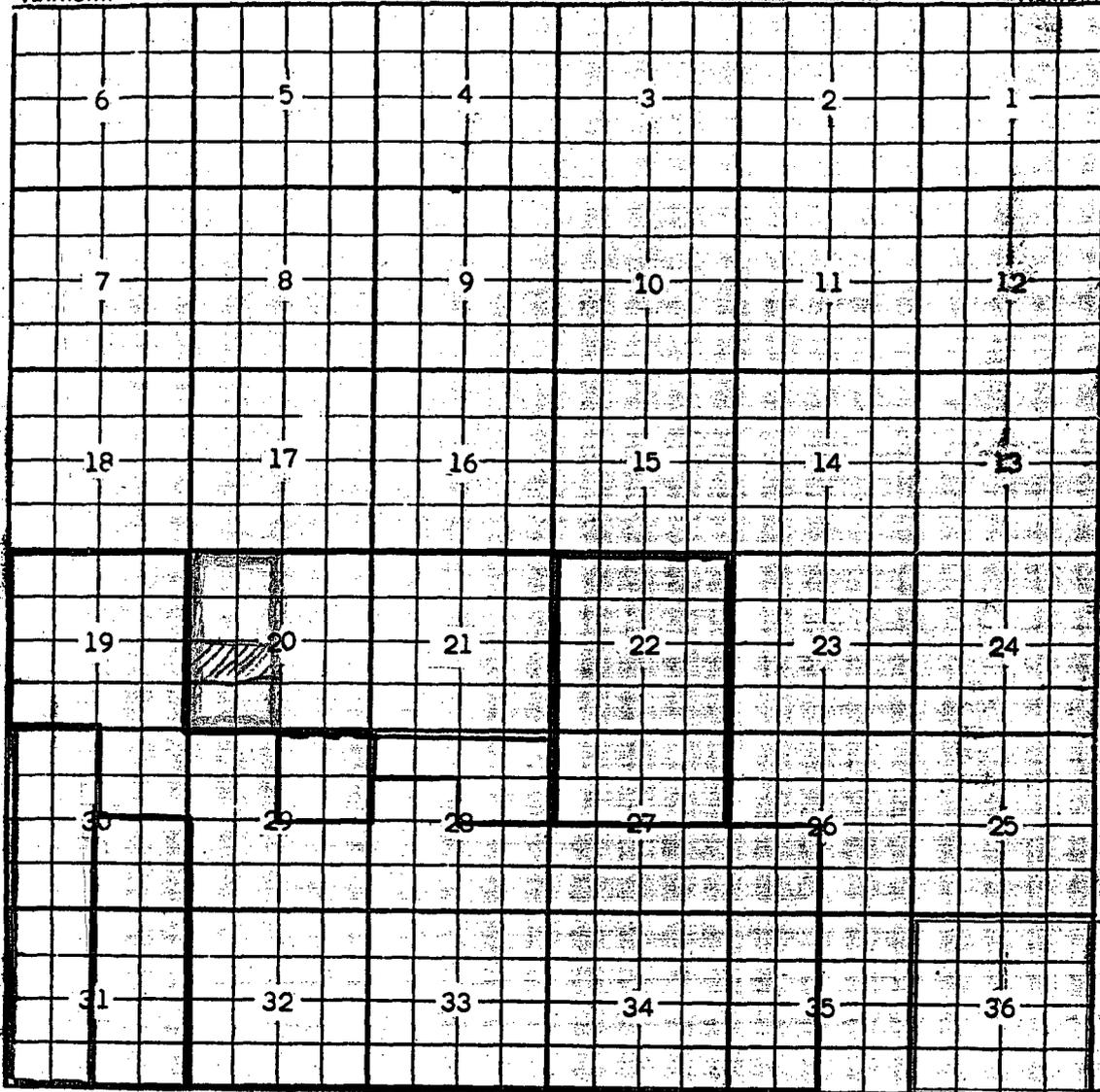
Dedicated Acre: 320.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

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

County San Juan Pool Angels Peak - Gallup Associated  
TOWNSHIP 27 North RANGE 10 West NEW MEXICO PRINCIPAL MERIDIAN



Description: SW<sup>1</sup>/<sub>4</sub> Sec. 26; 1/2 Sec. 27; SE<sup>1</sup>/<sub>4</sub> Sec. 28; E<sup>1</sup>/<sub>2</sub> Sec. 33;  
All Sec. 34; W<sup>1</sup>/<sub>2</sub> Sec. 35 (R. 1167, 5-1-58)  
Reclassified as an Oil Pool (R. 1357, 4-1-59)  
Ext: SW<sup>1</sup>/<sub>4</sub> Sec. 28; 1/2 Sec. 29; All Sec. 32; W<sup>1</sup>/<sub>2</sub> Sec. 33 (R. 1373, 5-1-59)  
- S<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>4</sub> Sec. 28 (R. 1489, 10-1-59) - SE<sup>1</sup>/<sub>4</sub> Sec. 19; NW<sup>1</sup>/<sub>4</sub> Sec. 29; NE<sup>1</sup>/<sub>4</sub> Sec. 30 (R. 1653, 5-1-60)  
- W<sup>1</sup>/<sub>2</sub> Sec. 19 (R. 1443, 5-1-61) - NE<sup>1</sup>/<sub>4</sub> Sec. 19 (R. 2102, 11-1-61)  
Ext: All Sec 36 (R-5339, 2-1-77)  
Ext: All Sec. 22, N<sup>1</sup>/<sub>2</sub> Sec. 27 (R-2046, 8-6-82)  
Ext: NE<sup>1</sup>/<sub>4</sub> and N<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>4</sub> Sec. 28 (R-8273, 8-6-86)  
Ext: SE<sup>1</sup>/<sub>4</sub> Sec. 30, E<sup>1</sup>/<sub>2</sub> Sec. 31 (R-9667, 5-6-92) Ext: W<sup>1</sup>/<sub>2</sub> Sec. 30, W<sup>1</sup>/<sub>2</sub> Sec. 31 (R-9801, 12-16-92) Ext: NE<sup>1</sup>/<sub>4</sub> Sec. 29 (R-10344, 4-24-95)  
Ext: All Secs. 20 and 21 (R-10557, 3-11-96)