

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

RECEIVED  
 2008 JUN 19 PM 1 34

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Judith A. Barnett  
 Print or Type Name  
 Judith.Barnett@dmv.com  
 e-mail Address

*Judith A. Barnett*  
 Signature

Regulatory Analyst  
 Title

Date 06/16/2008



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8260

June 16, 2008

Mr. William Jones  
State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87505

**RE: REVISED SURFACE COMMINGLING**

NM-91509 & NM-89052  
SEC 25 T22S R30E  
Eddy County, New Mexico

Dear Mr. Jones:

Please find attached the *Revised* BLM Form 3160-5 Sundry Notice of Intent to Surface Commingle and the *Revised* OCD form C-107B for the proposed zones. Devon is the record title owner of the leases to be commingled and the owner of 100% WI in the commingled wells. The ownership is uniform in both of the leases and all of the wells. No additional notification is necessary.

If there are any additional questions or if additional information is needed, please do not hesitate to contact me at 405.228.8699.

Sincerely,

**DEVON ENERGY PRODUCTION COMPANY, L.P.**

Judy A. Barnett  
Regulatory Analyst  
[Judith.Barnett@dvn.com](mailto:Judith.Barnett@dvn.com)

cc: Oil Conservation Division -Artesia  
Bureau of Land Management – Carlsbad

Attachments



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8260  
Fax 405-552-8113

April 15, 2008

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
Attn: David Brooks

Re: Surface Commingling  
NM-91509 & NM-89052  
Section 25-T22S-R30E  
Eddy County, New Mexico

Gentlemen:

Devon Energy Production Company, L.P. ("Devon") intends to dismantle the Apache 25 Federal #2 battery located in the SE/4 SE/4 Section 25-T22S-R30E, Eddy County, New Mexico. This battery currently services the Apache 25 Federal #2, #5, and #9 wells as evidenced by the attached Commingling Order PC-1098 dated September 9, 2003.

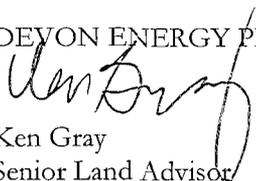
In lieu of Commingling Order PC-1098, Devon respectfully requests the Commission administratively approve a new surface commingling order allowing for the commingling of production from the Apache 25 Federal #2, #5, #6, #9 and the Apache 25 Federal #10H which are currently producing into the existing Apache 25 Federal #6 battery located in SE/4 SE/4 (Unit letter P) of Said section 25. Attached is Form C-107-B for your approval.

Devon is the record title owner of the leases to be commingled and the owner of 100% WI interest in the commingled wells. The ownership of all interests is uniform in both of the leases and all of the wells. Therefore, no additional notification should be necessary.

If there are any questions or if additional information is required feel free to contact me at (405) 552-4633 or Judy Barnett at (405) 228-8699.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.



Ken Gray  
Senior Land Advisor

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.**

5. Lease Serial No.  
NM95109 and NM89052

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator  
Devon Energy Production Company, L.P.

3a. Address  
20 North Broadway, Oklahoma City, OK 73102

3b. Phone No. (include area code)  
405-228-8699

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 25 T22S R30E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
See Attached

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area

11. Country or Parish, State  
Eddy NM

**12. CHECK THE 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"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Surface Commingle</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>REVISED</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L. P. respectfully requests approval for surface commingle for measurement of hydrocarbon production the following wells:

- Apache 25 Federal 2 Unit P Sec 25 T22S R30E: API# 30-015-27478 660 FSL 1310 FEL Pool: Los Medanos; Bone Spring (40295)
- ~~Apache 25 Federal 5 Unit I Sec 25 T22S R30E: API# 30-015-32720 1980 FSL 330 FEL DHC-3178 Los Medanos; Bone Spring (40295); G. Los Medanos; Wolfcamp (96336)~~
- Apache 25 Federal 6 Unit P Sec 25 T22S R30E: API# 30-015-29894 330 FSL 330 FEL Quahada Ridge SE; Delaware (50443)
- ~~Apache 25 Federal 9 Unit J Sec 25 T22S R30E: API# 30-015-32797 1980 FSL 1650 FEL Los Medanos; Bone Spring (40295); Los Medanos (South)~~
- Wolfcamp (96336)
- Apache 25 Federal 10H Unit P Sec 25 T22S R30E: API# 30-015-35597 810 FSL 910 FEL Quahada Ridge SE; Delaware (50443)

Surface commingle will be at the Apache 25 Federal 6. The ownership is uniform in both leases and all of the wells.

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

Name (Printed/Typed)

Judy A. Barnett

Title Regulatory Analyst

Signature



Date 06/16/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**APPLICATION FOR SURFACE COMMINGLING: REVISED**

Bureau of Land Management  
 1220 S. St Francis Drive  
 Santa Fe, New Mexico 87505

Devon Energy Production Company, L. P. requests approval for surface commingling and measurement of hydrocarbon production from the following wells on Federal Lease:

<b>Lease Name &amp; No. NM 91509</b>				<b>Formation</b>
Apache 25 Federal 5	SEC 25	T22S	R30E	<del>Los Medanos; Bone Spring &amp; S. Los</del>
<del>Medanos; Wolfcamp</del>				
Apache 25 Federal 9	SEC 25	T 22S	R30E	<del>Los Medanos; Bone Spring; Los</del>
Medanos Wolfcamp, <i>South</i>				
<b>Lease Name &amp; No. NM89502</b>				<b>Formation</b>
Apache 25 Federal 2	SEC 25	T22S	R30E	Los Medanos; Bone Spring
Apache 25 Federal 6	SEC 25	T22S	R30E	Quahada Ridge SE; Delaware
Apache 25 Federal 10H	SEC 25	T22S	R30E	Quahada Ridge SE; Delaware

Exhibit I is a schematic, which shows the equipment that will be utilized to determine well production from each well that will contribute production to the proposed commingled facility.

**Surface Commingling Proposal for Apache 25 Federal #2, #5, #6, #9 and #10H.**

Devon proposes to surface commingle the producing wells; the Apache 25 Federal 2, Apache 25 Federal 5, Apache 25 Federal 6, Apache 25 Federal 9 and the Apache 25 Federal 10H to the Apache 25 Federal 6 battery facility. This commingling will in effect lessen the disturbance and impact on the environment.

**Oil metering:**

Oil and water volumes from each well producing to this battery will be determined by using a test separator/heater treater at the proposed facility so that one of the wells is always producing through the testing equipment. Daily production will be allocated on a daily basis based on the most recent individual well tests of oil, gas and water. Well tests for each well will be conducted at least once per month..

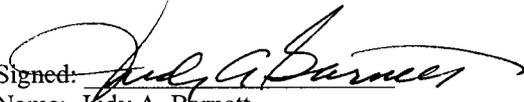
**Process and Flow Description:** A common gas sales meter associated with a DCP central delivery point (CDP) is currently located and will continue to be used at the Apache 25 Federal 6 location (#6 battery), SEC 25 T22S R30E Federal Lease NM89052. This sales meter currently accepts gas from the Apache 25 Federal 3 battery, the currently existing Apache 25 Federal 2 battery (which will be dismantled upon approval of this surface commingling permit), as well as the gas production from the #6 battery. Upon dismantling of the #2 battery, the entire 3-phase flow streams from the #2, #5, #9 and #10H wells will be directed to the #6 battery, rather than being processed at the #2 battery, and oil gas and water volumes will be allocated to each well using the test separator/heater treater located at the #6 battery. These meters will be calibrated on a regular basis per API, NMOCD and BLM specifications. The attached facility diagrams show the proposed metering arrangement. The BLM will be notified if there is any future change in facility location. Please see attached diagram for the "current" facilities set up and "proposed" Apache 25 Federal 6 production facility.

**APPLICATION FOR SURFACE COMMINGLING REVISED**

Bureau of Land Management  
1110 S. St. Francis Drive  
Santa Fe, New Mexico 87505  
Page 2

Devon Energy Production Company, L. P. is the record title owner of the leases to be commingled and the owner of 100% WI interest in the commingle wells. The ownership of all interests is uniform in both of the leases and all of the wells. Therefore, no additional notification should be necessary.

The proposed commingling of production is to reduce operating expense among the referenced wells as well as to reduce the surface footprint and overall emissions associated with producing these wells. This will result in increasing the economic life of the wells.

Signed:   
Name: Judy A. Barnett  
Title: Regulatory Analyst  
Date: June 16, 2008

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Ave, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised June 10, 2003

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: Devon Energy Production Company L. P.  
OPERATOR ADDRESS: 20 N. Broadway, Oklahoma City, Oklahoma 73102-8260  
APPLICATION TYPE:

Pool Commingling  Lease Commingling  Pool and Lease Commingling  Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE:  Fee  State  Federal

Is this an Amendment to existing Order?  Yes  No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
 Yes  No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
Los Medanos; Bone Spring 40295 + South Los Medanos; Wolfcamp 96336 (Well #9 - DHC)	45.1/ 1303	42.6/ 1315			
Los Medanos; Bone Spring 40295 S. Los Medanos; Wolfcamp 96336 (#5)	40.4/ 1245	42.6/ 1315			
Quahada Ridge ;SE Delaware 50443 (#6)	40.2/ 1339	42.6/ 1315			
Los Medanos; Bone Spring 40295 (#2) Quahada Ridge SE; Delaware 50443 (#10)	44.7/ 1378 42.7 / 1404	42.6/ 1315			

See Commingling on Order

(2) Are any wells producing at top allowables?  Yes  No  
(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No.  
(4) Measurement type:  Metering  Other (Monthly representative well tests)  
(5) Will commingling decrease the value of production?  Yes  No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Pool Name and Code.  
(2) Is all production from same source of supply?  Yes  No  
(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No  
(4) Measurement type:  Metering  Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

(1) Is all production from same source of supply?  Yes  No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Judy A. Barnett TITLE: Regulatory Analyst  
DATE: 06/16/2008

TYPE OR PRINT NAME Judy A. Barnett TELEPHONE NO.: 405.228.8699 EMAIL ADDRESS: \_\_\_\_\_

Exhibit #2  
 Apache "25" Federal No. 5  
 Eddy County, New Mexico

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 11-1-99  
**RECEIVED**

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

DEC 2 - 2004

OOD-ARTEZIA

Submit to Appropriate  
 District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

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

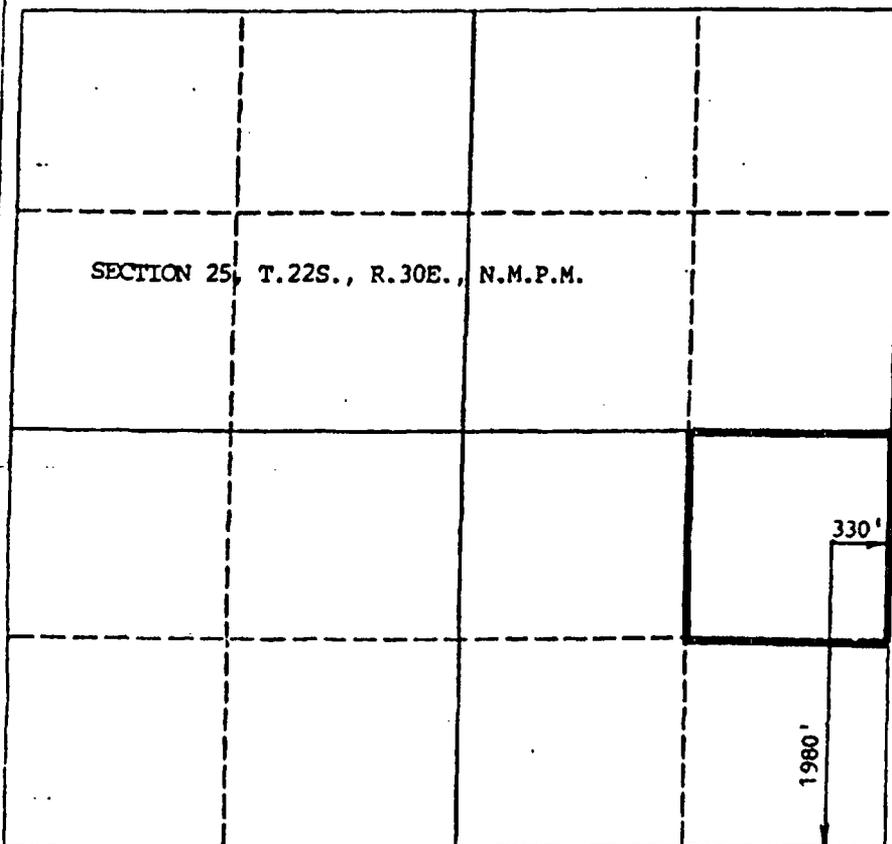
**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
 All Distances must be from the outer boundaries of the section

30-015-32720

Operator Devon Energy Production			Lease APACHE 25 FEDERAL		Well No. #5
Unit Letter I	Section 25	Township 22S.	Range 30E.	County NMDM EDDY	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 330 feet from the EAST line					
Ground level Elev. 3344	Producing Formation Delaware		Pool Quahada Ridge SE. 50443		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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

Signature: *Linda Guthrie*  
 Printed Name: Linda Guthrie  
 Position: Regulatory Specialist  
 Company: Devon Energy Prod.  
 Date: 11/30/04

**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 knowledge and belief.

Date Surveyed: 8/11/93  
 Signature & Seal of Professional Surveyor: *John Laquess*  
 JOHN LAQUESS  
 NEW MEXICO  
 6298  
 PROFESSIONAL SURVEYOR  
 16APACHE



Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Devon Energy  
P. O. Box 250  
Artesia, New Mexico 88211-0250

SAMPLE: Sta. #74086-00  
IDENTIFICATION Apache 25 Fed. #6  
COMPANY: Devon Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 7/9/07 7:45 am  
ANALYSIS DATE: 7/11/07  
PRESSURE - PSIG 56.7  
SAMPLE TEMP. °F 83.2  
ATMOS. TEMP. °F  
REMARKS: H2S = 0

GAS (XX) LIQUID ( )  
SAMPLED BY: Lemmons  
ANALYSIS BY: Vickie Sullivan

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	4.367	
Carbon Dioxide (CO2)	0.015	
Methane (C1)	68.435	
Ethane (C2)	13.273	3.541
Propane (C3)	8.370	2.301
I-Butane (IC4)	0.971	0.317
N-Butane (NC4)	2.505	0.788
I-Pentane (IC5)	0.606	0.221
N-Pentane (NC5)	0.606	0.219
Hexane Plus (C6+)	0.852	0.370
	100.000	7.757
BTU/CU.FT. - DRY	1339	MOLECULAR WT. 23.5719
AT 14.650 DRY	1335	
AT 14.650 WET	1312	
AT 14.73 DRY	1342	
AT 14.73 WET	1319	
SPECIFIC GRAVITY -		
CALCULATED	0.812	
MEASURED		

Apache "25" Federal No. 9  
Eddy County, New Mexico

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

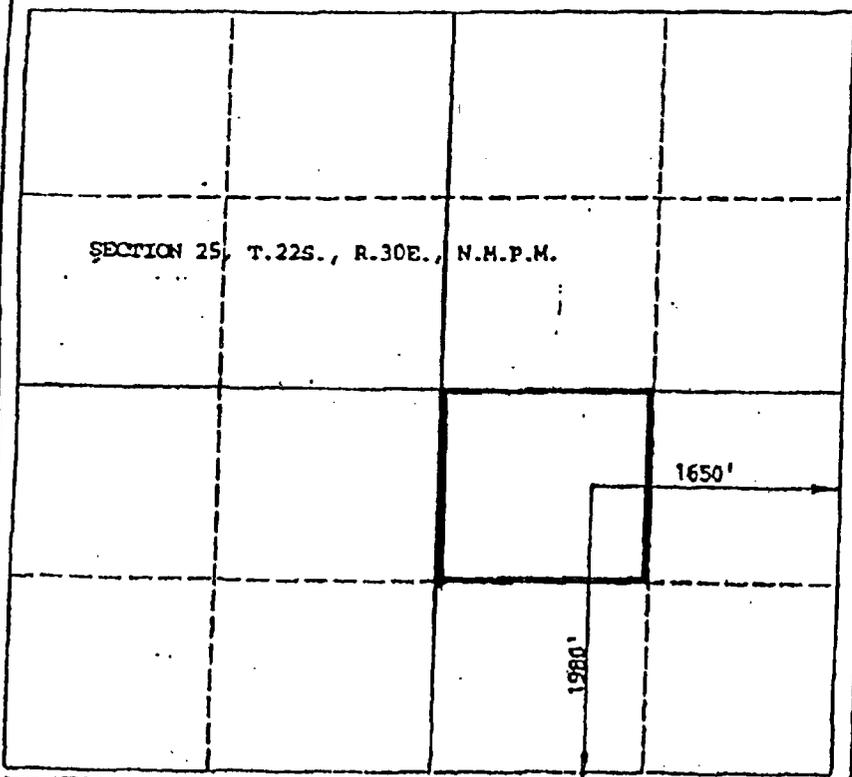
DISTRICT II  
P.O. Drawer DO, Artesia, NM 88210

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
All Distances must be from the outer boundaries of the section

Operator <b>Devon Energy Production Co., LP</b>			Lease <b>APACHE 25 FEDERAL</b>			Well No. <b>#9</b>		
Unit Letter <b>J</b>	Section <b>25</b>	Township <b>22S.</b>	Range <b>30E.</b>	County <b>MDITA</b>	EDDY			
Actual Footage Location of Well: <b>1980</b>								
feet from the <b>SOUTH</b>			feet from the <b>EAST</b>			Dedicated Acreage: <b>40 Acres</b>		
Ground level Elev. <b>3343</b>	Productive Formation <b>Wolfcamp</b>		Pool <b>Los Medanos</b>					

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint pen 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
 Yes     No    If answer is "no" 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 well be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, allowing each interest, has been approved by the Division.



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

Signature: *[Signature]*  
Printed Name: **Stephanie A. Ysasaga**  
Position: **Sr. Staff Engineering Tech**  
Company: **Devon Energy**  
Date: **12/29/05**

**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 knowledge and belief.

Date Surveyed: **8/11/93**  
Signature & Seal of Professional Surveyor:  
**JOHN R. LAQUESS**  
NEW MEXICO  
Professional Surveyor License No. 8298  
16 APACHE PROFESSIONAL SURVEYOR



Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

12

FOR: Devon Energy  
Attention: Jack Pittman  
P.O. Box 250  
Artesia, New Mexico 88211-0250

SAMPLE: Sta. # 390-49-037(Apache Test  
IDENTIFICATION Apache 25 #10  
COMPANY: Devon Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 1/14/08  
ANALYSIS DATE: 1/15/08  
PRESSURE - PSIG 15  
SAMPLE TEMP. °F 70  
ATMOS. TEMP. °F 68

GAS (XX) LIQUID ( )  
SAMPLED BY: Rob  
ANALYSIS BY: Vicki McDaniel

REMARKS: H2S = 1 PPM

Pressure Base: 14.65  
Vol. 119 MCF/Day

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	3.983	
Carbon Dioxide (CO2)	0.010	
Methane (C1)	63.959	
Ethane (C2)	15.487	4.132
Propane (C3)	10.513	2.890
I-Butane (IC4)	1.180	0.385
N-Butane (NC4)	2.792	0.878
I-Pentane (IC5)	0.595	0.217
N-Pentane (NC5)	0.602	0.218
Hexane Plus (C6+)	0.879	0.381
	100.000	9.101
BTU/CU.FT. - DRY	1404	MOLECULAR WT. 24.6574
AT 14.650 DRY	1399	
AT 14.650 WET	1375	
AT 14.73 DRY	1407	
AT 14.73 WET	1383	
SPECIFIC GRAVITY -		
CALCULATED	0.850	
MEASURED		



# Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

M

FOR: Devon Energy  
P. O. Box 250  
Artesia, New Mexico 88211-0250

SAMPLE: Sta. #39033011  
IDENTIFICATION Apache 25 Fed. #2  
COMPANY: Devon Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 8/27/07 9:30 am  
ANALYSIS DATE: 8/31/07  
PRESSURE - PSIG 73.3  
SAMPLE TEMP. °F 97.6  
ATMOS. TEMP. °F

REMARKS: H2S = 0

GAS (XX) LIQUID ( )  
SAMPLED BY: Lemmons  
ANALYSIS BY: Vickie Sullivan

## COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	3.216	
Carbon Dioxide (CO2)	0.025	
Methane (C1)	68.732	
Ethane (C2)	13.459	3.591
Propane (C3)	8.024	2.206
I-Butane (IC4)	0.996	0.325
N-Butane (NC4)	2.763	0.869
I-Pentane (IC5)	0.706	0.258
N-Pentane (NC5)	0.822	0.297
Hexane Plus (C6+)	<u>1.257</u>	<u>0.546</u>
	100.000	8.092
BTU/CU.FT. - DRY	1378	MOLECULAR WT. 23.9719
AT 14.650 DRY	1374	
AT 14.650 WET	1350	
AT 14.73 DRY	1381	
AT 14.73 WET	1357	
SPECIFIC GRAVITY -		
CALCULATED	0.825	
MEASURED		

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

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

RECEIVED

FEB 4 11 58 AM '93

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

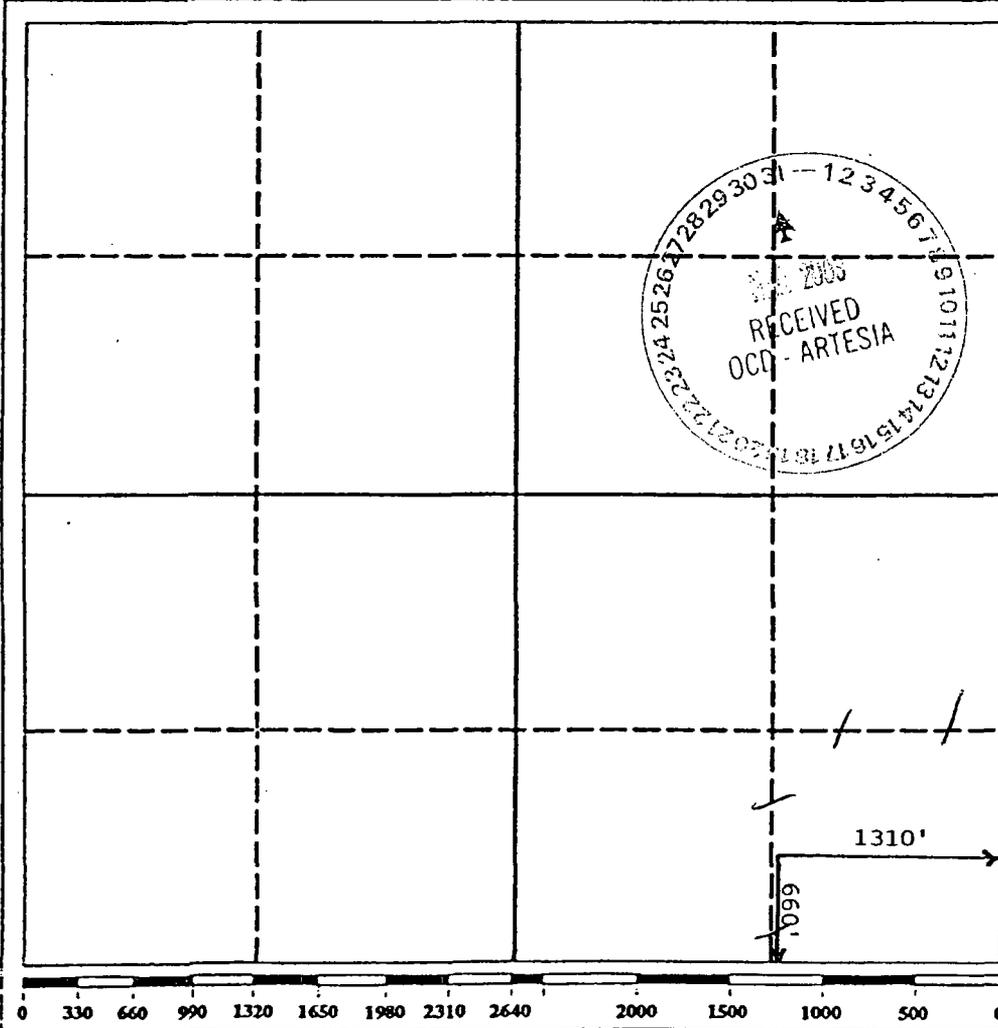
Operator Devon Energy Production Company, LP		Lease Apache "25" Fed		Well No. 2
Unit Letter P	Section 25	Township 22S	Range 30E	County NMPM Eddy
Actual Footage Location of Well: 1310 feet from the East line and 660 feet from the South line				
Ground level Elev. 3336	Producing Formation Bone Spring	Pool Los Medanos	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

Signature: *James Blount*

Printed Name: James Blount

Position: Operations Engineer Advisor

Company: Devon Energy Production Co., LP

Date: March 26, 2003

**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 knowledge and belief.

Date Surveyed: \_\_\_\_\_

Signature & Seal of Professional Surveyor: \_\_\_\_\_

Certificate No.: \_\_\_\_\_



Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Devon Energy  
P. O. Box 250  
Artesia, New Mexico 88211-0250

SAMPLE: Sta. #39049037  
IDENTIFICATION Apache 25 #5  
COMPANY: Devon Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 12/19/07  
ANALYSIS DATE: 12/19/07  
PRESSURE - PSIG 22  
SAMPLE TEMP. °F 50  
ATMOS. TEMP. °F 56

REMARKS: H2S = 0.5 PPM

GAS (XX) LIQUID ( )  
SAMPLED BY: R.H.  
ANALYSIS BY: Vickie Sullivan

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	5.526	
Carbon Dioxide (CO2)	0.025	
Methane (C1)	71.876	
Ethane (C2)	12.088	3.225
Propane (C3)	6.810	1.872
I-Butane (IC4)	0.687	0.224
N-Butane (NC4)	1.691	0.532
I-Pentane (IC5)	0.325	0.119
N-Pentane (NC5)	0.332	0.120
Hexane Plus (C6+)	0.640	0.278
	100.000	6.370
BTU/CU.FT. - DRY	1245	MOLECULAR WT. 22.1739
AT 14.650 DRY	1242	
AT 14.650 WET	1220	
AT 14.73 DRY	1248	
AT 14.73 WET	1227	
SPECIFIC GRAVITY -		
CALCULATED	0.764	
MEASURED		

District I  
PO Box 1988, Hobbs, NM 88241-1988  
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

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

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-29894</b>		Pool Code <b>50443</b>		Pool Name <b>Quabada Ridge Delaware SE</b>	
Property Code		Apache 25 Federal		Property Name	
OGRID No.		Mitchell Energy		Operator Name	
				Well Number <b>6</b>	
				Elevation <b>3330</b>	

10 Surface Location

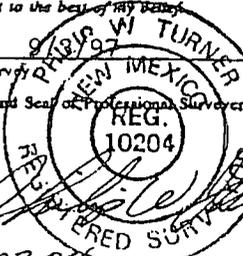
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	25	22S	30E		330	South	330	East	Eddy

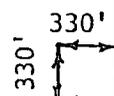
11 Bottom Hole Location If Different From Surface

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

12 Dedication Acres <b>40</b>	13 Joint or Infill	14 Consolidation Code	15 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

16	17 OPERATOR CERTIFICATION			
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
	Signature: <i>Judy A. Barnett</i> Printed Name: Judy A. Barnett Title: Regulatory Analyst Date: 6/16/08			
	18 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.				
Date of Survey: 9/13/97 Signature and Seal of Professional Surveyor: <i>Walter Turner</i>  Certificate Number: 10204				



*JK*

Wildcat Measurement Service  
P.O. Box 1836  
Artesia, New Mexico 88211-1836  
TollFree #888-421-9453  
Office #505-746-3481  
"Quality and Service is our First Concern"

PDS 06/25/00  
Run No. 271018-09  
Date Run 10/18/2007  
Date Sampled 10/18/2007

Analysis for: DEVON ENERGY PRODUCTION COMPANY  
Well Name: APACHE "25" #9  
Field: APACHE  
Sta. Number: APACHE 25-2 BTY  
Purpose: SPOT-DRY FLOW  
Sampling Temp: 59.4 DEG F  
Volume/day: 50 MCF/DAY  
Pressure on Cylinder: 20.0 PSIG

GPANGL.162  
Producer: DEVON ENERGY PRODUCTION CO.  
County: BDDY State: NM  
Sampled By: ROBERT HERNANDEZ  
Atmos Temp: 64 DEG F  
Formation:  
Line Pressure: 33.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 14.7300

		Mol %	GPM
Carbon Dioxide	CO2	0.0723	
Nitrogen	N2	1.3421	
Methane	C1	74.0419	
Ethane	C2	14.1264	3.7759
Propane	C3	7.0256	1.9344
Iso-Butane	IC4	0.7954	0.2602
Nor-Butane	NC4	1.6913	0.5332
Iso-Pentane	IC5	0.3142	0.1150
Nor-Pentane	NC5	0.3147	0.1140
Hexanes Plus	C6+	0.2761	0.1205
TOTAL		100.0000	6.8530

Real BTU Dry: 1302.93  
Real BTU Wet: 1280.27  
Real Calc. Specific Gravity: 0.7549  
Field Specific Gravity: 0.0000

Standard Pressure: 14.6960  
BTU Dry: 1294.99  
BTU Wet: 1272.46

Z Factor: 0.9962  
N Value: 1.2733  
Avg Mol Weight: 21.7886  
Avg CuFt/Gal: 53.8027  
26 Lb Product: 0.5134  
Methane+ GPM: 19.4028  
Ethane+ GPM: 6.8530  
Propane+ GPM: 3.0772  
Butane+ GPM: 1.1428  
Pentane+ GPM: 0.3494

REMARKS:

Approved by: DON NORKAN

Tue Oct 23 11:47:44 2007

DISTRICT I  
1626 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 86810

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

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code <b>33745</b>	Pool Name INGLE WELLS
Property Code	Property Name APACHE "25" FEDERAL	Well Number 10H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY LP	Elevation 3338'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	22 S	30 E		810	SOUTH	910	EAST	EDDY

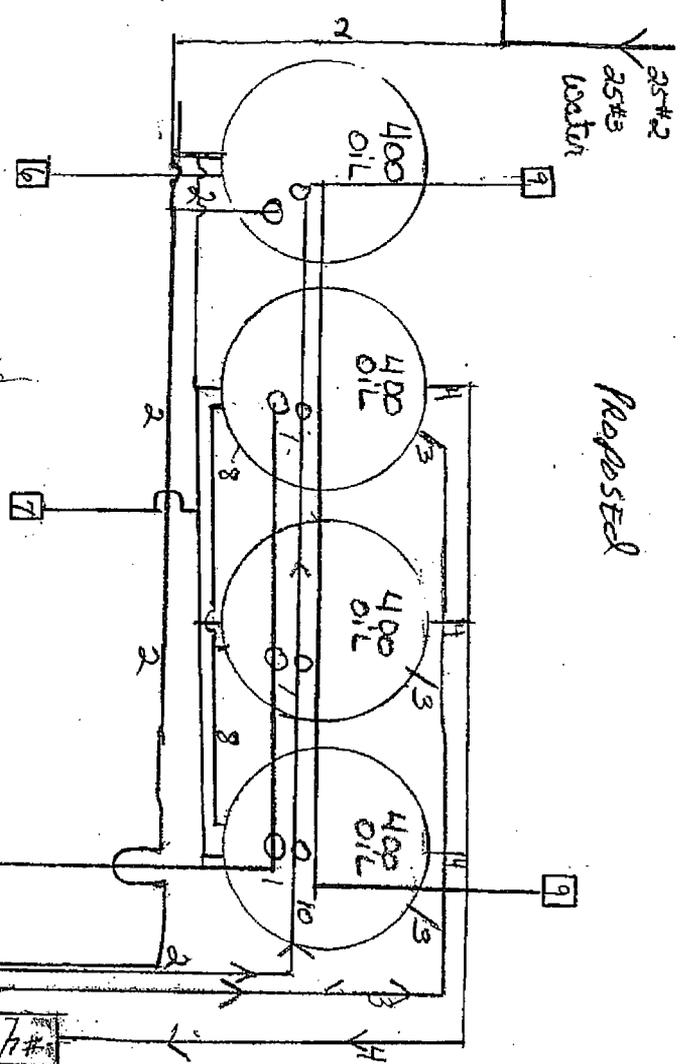
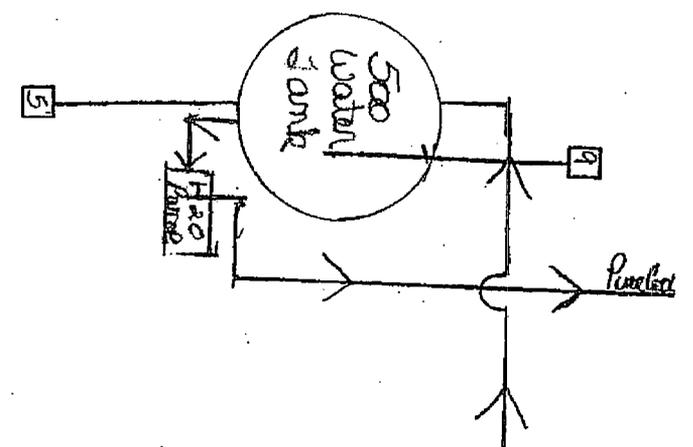
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	22 S	30 E		430	SOUTH	330	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

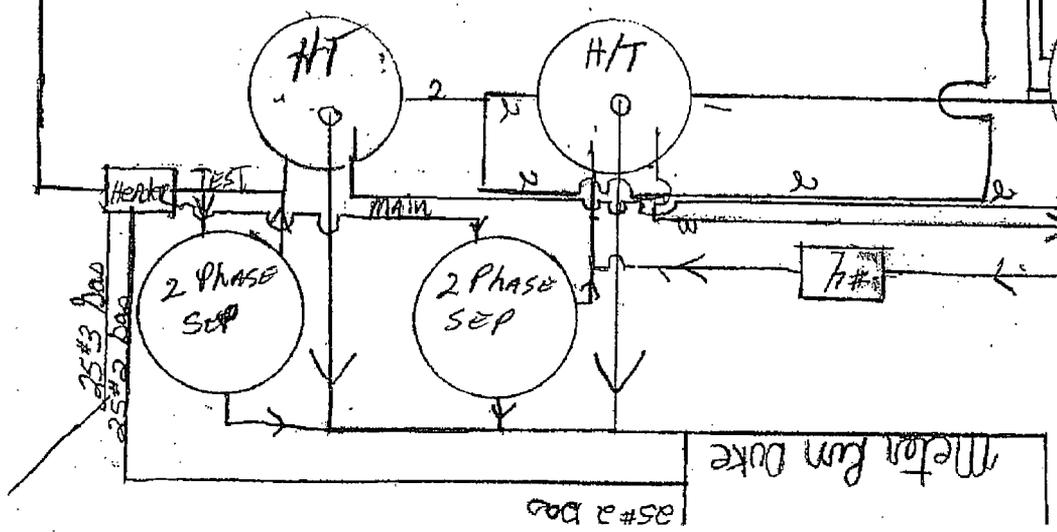
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>Producing Area</p> <p>Project Area</p> <p>BOTTOM HOLE LOCATION Lat - N32°21'25.5" Long - W103°50'29.8" (NAD-83)</p> <p>SURFACE LOCATION Lat - N32°21'29.1" Long - W103°49'42.7" (NAD-83)</p> <p>Measurements: 330', 430', 4057.8', 3337.3', 3543.1', 910', 3336.8', 810', 3340.2'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Judy A. Barnett</i> 4/11/07 Signature Date</p> <p>Judy A. Barnett Printed Name Regulatory Analyst</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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>DECEMBER 22, 2006 Date Surveyed</p> <p><i>Gary L. Jones</i> Signature &amp; Seal Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>

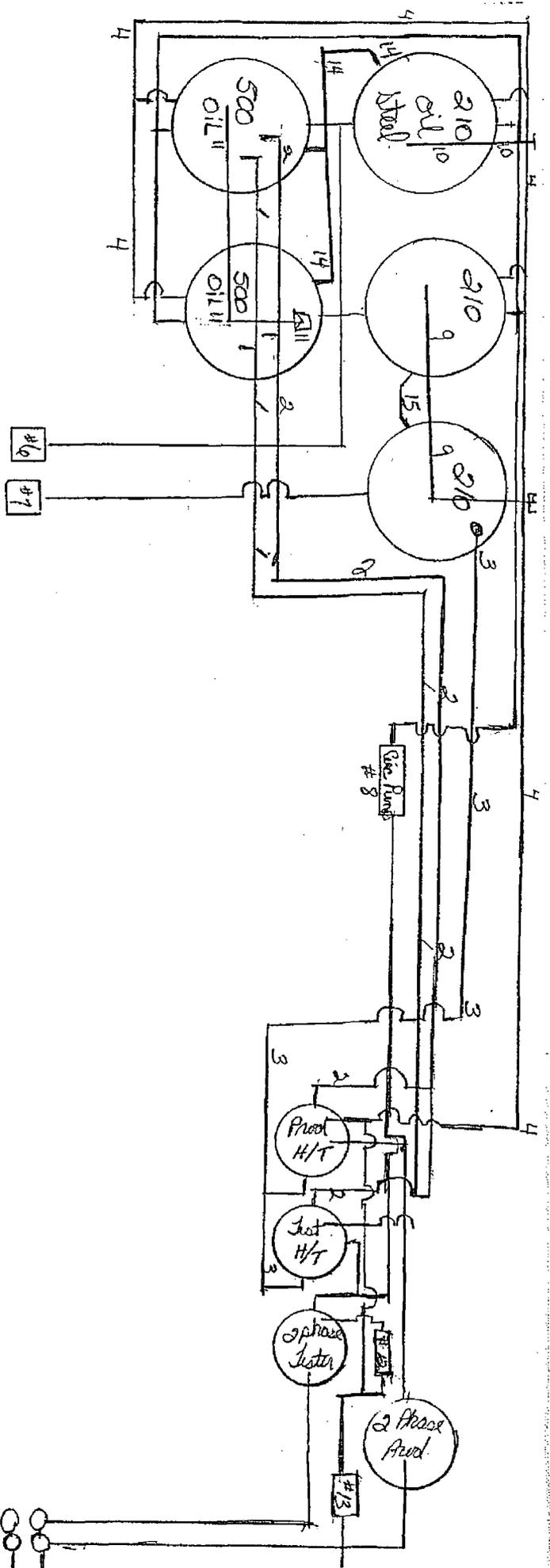
- 1 Oil fill line
- 2 Water fill line
- 3 Roll line
- 4 Cimou battery Pump.
- 5 500 Water level line
- 6 400 Water level line
- 7 Oil level line
- 8 Equalizing line
- 9 Vent line
- 10 TEST Line



Proposed



Change 25#6 Battery



1. Production fill line
2. West fill line
3. Water fill line
4. 1" Pull line
5. Oil load line
6. Water load line
7. One Pump
8. H<sub>2</sub>O Vent line
9. 210 oil Vent line
10. 500 oil Vent line
11. 500 Check meter
12. 500 Check meter
13. Equalizer oil tanks
14. H<sub>2</sub>O Equalizer

Approach 25 #2 Battery



**Jones, William V., EMNRD**

**From:** Barnett, Judith [Judith.Barnett@dvn.com]  
**Sent:** Monday, July 21, 2008 8:21 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Wilson, Kimberly M, EMNRD  
**Subject:** RE: Suurface Commingle Application from Devon: Apache 25 Federal Wells 2, 5, 6, 9, 10H Eddy County

William,

Thanks for taking time to help figure all of this out with me! I have spoken with Kimberly at the OCD in Artesia and she has helped to verify the following:

- 1) Apache 25 Federal 9: Sundry 3160-5 should read the South Los Medanos Wolfcamp and the pool number is correct.
- 2) Apache 25 Federal 5: Sundry 3160-5 should read: Quahada Ridge; SE Delaware

Since you do not need any further paperwork reflecting the above changes, I will await to hear back when it is approved. I appreciate your time and patience in this matter and thanks for all your help.

*Judy A. Barnett*

Regulatory Analyst  
 Corporate Tower 03.055C  
 Oklahoma City, OK 73102  
 (405) 228-8699 Phone  
 (405) 552-8113 Fax  
[Judith.Barnett@dvn.com](mailto:Judith.Barnett@dvn.com)

---

**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Tuesday, July 15, 2008 4:55 PM  
**To:** Barnett, Judith  
**Cc:** Reno, Carmen, EMNRD  
**Subject:** Suurface Commingle Application from Devon: Apache 25 Federal Wells 2, 5, 6, 9, 10H Eddy County

Hello Judy:  
 I still have a couple wells that seem to have differences on the completed intervals.

- 1) Well Num 9 says on your sundry form to be producing from the Los Medanos; Wolfcamp; but it seems it is in the South Los Medanos; Wolfcamp. You have the correct Pool name, so I am assuming this is a mistake.
- 2) Well Num 5 on the Sundry form you just sent says production is from the Los Medanos; Bone Spring and South Los Medanos; Wolfcamp. Our records show this well to ONLY be producing from the Southeast Quahada; Delaware. Please look at your internal records and see what really is producing in this well and let me know for the sake of this permit application and also get it corrected if necessary with the Artesia District Office. You don't need to correct any more forms sent to me - I can just put the actuals on the Permit.

Thanks for fixing the API number issues.

William V. Jones PE  
 New Mexico Oil Conservation Division  
 1220 South St. Francis  
 Santa Fe, NM 87505  
 505-476-3448

7/21/2008

**Jones, William V., EMNRD**

---

**From:** Barnett, Judith [Judith.Barnett@dvn.com]

**Sent:** Tuesday, June 17, 2008 8:51 AM

**To:** Jones, William V., EMNRD

**Subject:** Application for Apache Surface Commingling\_Revised: Apache 25 Federal Wells 2, 5, 6, 9, 10H Eddy County

William,

As per your email of June 10, 2008, I am resending the Revised Application for the Apache Surface Commingling on the above wells under separate cover. I have addressed the API#'s which were mistaken by me since there were two API#'s for several of the wells in question on the OCD website. This in itself attributed to giving me more accurate information which was needed. I hope you find everything in the packet which you requested.

Thanks for all your help:)

*Judy A. Barnett*

Regulatory Analyst

Corporate Tower 03.055C

Oklahoma City, OK 73102

(405) 228-8699 Phone

(405) 552-8113 Fax

[Judith.Barnett@dvn.com](mailto:Judith.Barnett@dvn.com)

---

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This inbound email has been scanned by the MessageLabs Email Security System.

---

6/17/2008

**Jones, William V., EMNRD**

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, July 15, 2008 3:55 PM  
**To:** 'Barnett, Judith'  
**Cc:** Reno, Carmen, EMNRD  
**Subject:** Suurface Commingle Application from Devon: Apache 25 Federal Wells 2, 5, 6, 9, 10H Eddy County

Hello Judy:

I still have a couple wells that seem to have differences on the completed intervals.

1) Well Num 9 says on your sundry form to be producing from the Los Medanos; Wolfcamp; but it seems it is in the South Los Medanos; Wolfcamp. You have the correct Pool name, so I am assuming this is a mistake.

2) Well Num 5 on the Sundry form you just sent says production is from the Los Medanos; Bone Spring and South Los Medanos; Wolfcamp. Our records show this well to ONLY be producing from the Southeast Quahada; Delaware. Please look at your internal records and see what really is producing in this well and let me know for the sake of this permit application and also get it corrected if necessary with the Artesia District Office. You don't need to correct any more forms sent to me - I can just put the actuals on the Permit.

Thanks for fixing the API number issues.

William V. Jones PE  
 New Mexico Oil Conservation Division  
 1220 South St. Francis  
 Santa Fe, NM 87505  
 505-476-3448

---

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, June 10, 2008 2:39 PM  
**To:** 'Barnett, Judith'  
**Cc:** Reno, Carmen, EMNRD; Ezeanyim, Richard, EMNRD; Wilson, Kimberly M, EMNRD; Warnell, Terry G, EMNRD  
**Subject:** Surface Commingle Application from Devon: Apache 25 Federal Wells 2, 5, 6, 9, 10H Eddy County

Hello Judy:

For some reason, these federal wells were assigned API numbers originally when they were proposed and the wells were not drilled, then they were proposed again with the same well name and given NEW API numbers - and this time the wells were actual drilled. So there is some confusion and it has taken some of my time and will take time from everyone working on these wells from NOW ON. Anyway - must have been a reason for this, but it is unfortunate.

Some items to clarify for your application:

- 1) The API numbers you used in your application for these wells (in all but well no. 2) seem to be the wrong API's. Would you correct this on your sundry form and on this application?
- 2) Well No. 5 may be producing in the upper Bone Spring and lower Delaware - but your application and the approved DHC-3178 do not say this. Would you first look at Devon's internal records and find out what the true story is and let me know. Also if DHC-3178 needs amended, then send another C-107A.
- 3) Well No. 9 appears to be producing from the Bone Spring and the Wolfcamp and DHC-3609 and parts of the application is consistent with that. However your sundry only lists Bone Spring as producing.
- 4) Please send a map of Section 25, showing all wells to be included in this commingle and their spacing unit size/orientation.

Thanks,

William V. Jones PE  
 New Mexico Oil Conservation Division  
 1220 South St. Francis  
 Santa Fe, NM 87505  
 505-476-3448

7/15/2008