

DATE IN 4/13/2014	SUSPENSE	ENGINEER RE	LOGGED IN 1/14/2014	TYPE CTB	APP NO. PMAM/401441543
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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 \_\_\_\_\_

CTB  
 - Devon  
 6137  
 wells  
 - Shaft 45261H  
 30-015-39819  
 - Shaft 45262H  
 30-015-39896  
 - Shaft 45263H  
 30-015-39994  
 - Shaft 45264H  
 30-015-40012

**[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

Pool  
 LOST TANK Delaware  
 40299

**[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.

Erin Workman  
 Print or Type Name

Signature

Regulatory Compliance Associate  
 Title

01/10/13  
 Date

Erin.Workman@dvnm.com  
 E-mail Address



Devon Energy Corporation  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5010

405 552-7970 Phone  
Erin.workman@dvn.com

RECEIVED OCD

2014 JAN 13 A 9:35

January 10, 2014

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

**Re: Central Tank Battery**  
**Shaqtus 26 State Com 1H, Shaqtus 26 State Com 2H, Shaqtus 26 State Com 3H,**  
**& Shaqtus 26 State Com 4H**  
**Sec. 35-T21S-R31E**  
**Leases: NM VO 8747, NM VO 8760, NM VO 3604**  
**API: #30-015-39819, 30-015-39896, 30-015-39994, & 30-015-40012**  
**Pool: 40299 Lost Tank; Delaware**  
**Eddy County, New Mexico**

Dear Mr. Ezeanyim:

Please find attached the OCD Form C-103 Sundry Notice of Intent for a Central Tank Battery

The working interest, royalty interest and overriding royalty interest owners are identical; so no additional notification is necessary. ✓

Should you require any additional information or assistance, please do not hesitate to contact me at (405)-552-7970.

Sincerely,

  
Erin Workman  
Regulatory Compliance Associate

Enclosures

# APPLICATION FOR A CENTRAL TANK BATTERY

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

## Proposal for Shaqtus 26 State Com 1H, 2H, 3H, & 4H:

Devon Energy Production Company, LP is respectfully requesting approval for a Central Tank Battery involving the following wells:

Federal Lease NM VO 8747, NM VO 8760, NM VO 3604

Well Name	Location	API #	Pool 40299	BOPD	Oil Gravity	MCFPD	BTU
Shaqtus 26 State Com 1H	Sec. 35-T21S-R31E	30-015-39819	Lost Tank; Delaware	130	38	388	1264.1
Shaqtus 26 State Com 2H	Sec. 35-T21S-R31E	30-015-39896	Lost Tank; Delaware	96	38	65	1264.1
Shaqtus 26 State Com 3H	Sec. 35-T21S-R31E	30-015-39994	Lost Tank; Delaware	87	38	651	1265.5
Shaqtus 26 State Com 4H	Sec. 35-T21S-R31E	30-015-40012	Lost Tank; Delaware	75	37	335	1265.5

Attached is a map shows the federal leases and well locations in Section 21-T22S-R34E.

## Oil & Gas metering:

There is a central tank battery that is located at the Shaqtus 26 State Com 1H in Sec. 35-T21S-R31E in Eddy Co., NM. It will be utilized by the Shaqtus 26 State Com 1H & 2H. There is also a central tank battery located at the Shaqtus 26 State Com 3H Located in Sec. 35-T21S-R31E in Eddy, CO. NM, it will be utilized by the Shaqtus 26 State Com 3H & 4H. All four wells will share a common Duke Energy CDP #131-35405 located at the Shaqtus 26 State Com 1H.

The Shaqtus 26 State Com 1H & 2H battery will have three oil tanks that these two wells will utilize. Oil, gas, and water volumes from these two wells producing to this battery will be determined by using a test separator/heater treater at the proposed facility, so that one well is always producing through the testing equipment. Well tests for each well will be conducted at least once per month, for a minimum of 24 hours.

The production from these wells will come to a common production header with isolation lines to route each wells production. From this point, one well will be on test and its production routed through the test equipment. The well not on test will first flow through a two phase separator then to a heater/treater, then commingle with the test production and flows to the 500 BBL. After separation, the produced gas from the Shaqtus 26 State Com 1H & 2H is routed to the gas test meter #390-49164, then to the DCP CDP #131-35405 located in the SW corner of Section 35-T21S-R31E in Eddy County, NM.

The Shaqtus 26 State Com 3H & 4H battery will have three oil tanks that these two wells will utilize. Oil, gas, and water volumes from these two wells producing to this battery will be determined by using a test separator/heater treater at the proposed facility, so that one well is always producing through the testing equipment. Wells test for each well will be conducted at least once per month, for a minimum of 24 hours.

The production from these wells will come to a common production header with isolation lines to route each wells production. From this point, one well will be on test and its production routed through the test equipment. The well not on test will first flow through a two phase separator then to a heater/treater, then commingle with the test production and flows to the 500 BBL. The produced gas from the Shaqtus 26 State Com 3H & 4H will flow first through a separator, then to a check meter #390-33-176 on location at the Shaqtus 26 State Com 3H before flowing to the DCP sales meter #131-35405 located at the Shaqtus 26 State Com 1H location in SW corner of Section 35-T21S-R31E in Eddy County, NM.

## Process and Flow Descriptions:

The flow of produced fluids is shown in detail on the enclosed facility diagram, along with a description of each vessel. The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance and emissions. The proposed commingling will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

Devon Energy Production Company, LP has submitted and received an approved for ROW RW-32758.

Working, royalty, and overriding interest owners is identical so no further notification is needed.

Signed:

Printed Name: Erin Workman

Title: Regulatory Compliance Associate

Date: 12.19.13

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

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

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number <b>30-015-39819</b>		2 Pool Code <b>40299</b>		3 Pool Name <b>Lost Tank: Delaware</b>	
4 Property Code <b>39007</b>		5 Property Name <b>SHAQTUS 26 STATE COM</b>			6 Well Number <b>1H</b>
7 OGRID No. <b>6137</b>		8 Operator Name <b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b>			9 Elevation <b>3507.5</b>
10 Surface Location					
UL or lot no. <b>D</b>	Section <b>35</b>	Township <b>21 S</b>	Range <b>31 E</b>	Lot Idn	Feet from the <b>900</b>
					North/South line <b>NORTH</b>
					Feet from the <b>1140</b>
					East/West line <b>WEST</b>
					County <b>EDDY</b>
11 Bottom Hole Location If Different From Surface					
UL or lot no. <b>D</b>	Section <b>26</b>	Township <b>21 S</b>	Range <b>31 E</b>	Lot Idn	Feet from the <b>329</b>
					North/South line <b>NORTH</b>
					Feet from the <b>668</b>
					East/West line <b>WEST</b>
					County <b>EDDY</b>
12 Dedicated Acres <b>200</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.

NW CORNER SEC. 25 LAT. = 32.4568370°N LONG. = 103.7571414°W NMSP EAST (FT) N = 530407.84 E = 719060.11		NE CORNER SEC. 26 LAT. = 32.4568222°N LONG. = 103.7400165°W NMSP EAST (FT) N = 530431.40 E = 724342.30		<b>17 OPERATOR CERTIFICATION</b> 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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well in this 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.  <i>Patti Riechers</i> 11/06/2012 Signature Date Printed Name <b>Patti Riechers, Regulatory Specialist</b> <b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of legal surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DECEMBER 17, 2011 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: <b>12797</b> SURVEY NO. 241
SECTION CORNER LAT. = 32.4423165°N LONG. = 103.7571513°W NMSP EAST (FT) N = 525125.24 E = 719085.58		SECTION CORNER LAT. = 32.4423097°N LONG. = 103.7400359°W NMSP EAST (FT) N = 525151.69 E = 724365.65		
SW CORNER SEC. 35 LAT. = 32.4278020°N LONG. = 103.7571637°W NMSP EAST (FT) N = 519844.84 E = 719110.23		SE CORNER SEC. 35 LAT. = 32.4277958°N LONG. = 103.7400526°W NMSP EAST (FT) N = 519871.45 E = 724389.81		
BOTTOM OF HOLE LAT. = 32.4559271°N LONG. = 103.7550119°W NMSP EAST (FT) N = 530060.37 E = 719718.76		SURFACE LOCATION LAT. = 32.4398416°N (NAD83) LONG. = 103.7534594°W NMSP EAST (FT) N = 524231.02 E = 720229.40		

Rec 11/14/12 NMOCA

**District I**  
1625 N French Dr., Hobbs, NM 88240  
**District II**  
1301 W. Grand Avenue, Artesia, NM 88210  
**District III**  
1080 Kio Br-205 Rd., Artec, NM 87410  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 15, 2009  
Submit one copy to appropriate  
District Office  
☒ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-39866		Pool Code 40299	Pool Name BRUSHY CANYON	
Property Code 39007	Property Name SHAQTUS 26 STATE COM			Well Number 2H
OGHD No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			Elevation 3514.8
" Surface Location				
UL or lot no. C	Section 35	Township 21 S	Range 31 E	Lot Idn 685
Feet from the NORTH		Feet from the WEST		County EDDY
" Bottom Hole Location If Different From Surface				
UL or lot no. C	Section 26	Township 21 S	Range 31 E	Lot Idn 394
Feet from the NORTH		Feet from the WEST		County 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>NW CORNER SEC. 26 LAT. = 32.4568370°N LONG. = 103.7571414°W NMSP EAST (FT) N = 530407.84 E = 719060.11</p>		<p>NE CORNER SEC. 26 LAT. = 32.4568222°N LONG. = 103.7400185°W NMSP EAST (FT) N = 530431.40 E = 724342.30</p>	
<p>SECTION CORNER LAT. = 32.4423185°N LONG. = 103.7571513°W NMSP EAST (FT) N = 525125.24 E = 719085.19</p>		<p>SECTION CORNER LAT. = 32.4423097°N LONG. = 103.7400359°W NMSP EAST (FT) N = 525151.69 E = 724365.65</p>	
<p>SW CORNER SEC. 35 LAT. = 32.4278920°N LONG. = 103.7571637°W NMSP EAST (FT) N = 519844.84 E = 719110.23</p>		<p>SE CORNER SEC. 35 LAT. = 32.4277958°N LONG. = 103.7400526°W NMSP EAST (FT) N = 519871.45 E = 724389.8°</p>	

**OPERATOR CERTIFICATION**  
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 mineral interest in the land to which the proposed bottom hole location or top right in drill this well or this location pursuant to a contract with owner of such a interest or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore covered by the division.

Signature: *D. A.* Date: 11/5/2012

Printed Name: David H. Cook Regulatory Specialist

**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.

DECEMBER 17, 2011

Date of Survey

Signature and Seal of Surveyor: *James H. Karpis*

Certificate Number: 11-10111 JAHAMILLQ PLS 12797

SI RWEY NO 744

Date of Survey \_\_\_\_\_  
 \_\_\_\_\_  
 Signature and Seal of Professional Surveyor  
 Certificate Number PLAMON E. JARAMILLO, PLS 12797  
 RED LAND SURVEY NO. 745

# RECEIVED

JAN 14 2013

Form C-102

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

1301 W. Creed Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, NM 87505

**UNMOGD ARTESIA**

October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-40012	Pool Code 40299	Pool Name Lost Tank; Delaware
Property Code 39007	Property Name SHAQTUS 26 STATE COM	Well Number 4H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3546.4

**Surface Location**

1/4, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	21 S	31 E		330	NORTH	660	EAST	EDDY

**Bottom Hole Location If Different From Surface**

1/4, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	21 S	31 E		307	NORTH	624	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160.00			

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.

**Project Area**

**Completion Interval**

**Lease Line**

**SECTION CORNER**  
LAT. = 32.4568370°N  
LONG. = 103.7571414°W  
NMSP EAST (FT)  
N = 530407.84  
E = 719080.11

**SECTION CORNER**  
LAT. = 32.4423165°N  
LONG. = 103.7571513°W  
NMSP EAST (FT)  
N = 525125.24  
E = 719085.58

**SECTION CORNER**  
LAT. = 32.4278020°N  
LONG. = 103.7571637°W  
NMSP EAST (FT)  
N = 519844.84  
E = 719110.23

**SECTION CORNER**  
LAT. = 32.4423097°N  
LONG. = 103.7400359°W  
NMSP EAST (FT)  
N = 525151.89  
E = 724365.65

**SECTION CORNER**  
LAT. = 32.4277958°N  
LONG. = 103.7400526°W  
NMSP EAST (FT)  
N = 519871.45  
E = 724389.81

**SHAQTUS 26 STATE COM 4H**  
ELEV. = 3546.4  
LAT. = 32.44414036°N (NAD83)  
LONG. = 103.7421758°W  
NMSP EAST (FT)  
N = 524818.36  
E = 723707.33

**BOTTOM OF HOLE**  
LAT. = 32.459161°N  
LONG. = 103.721660°W  
NMSP EAST (FT)  
N = 530080.15  
E = 723811.11

**SURFACE LOCATION**  
LAT. = 32.459161°N  
LONG. = 103.721660°W  
NMSP EAST (FT)  
N = 530080.15  
E = 723811.11

**17 OPERATOR CERTIFICATION**

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 undivided mineral interest in the land underlying the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pre-drilling agreement or a compulsory pooling order heretofore entered by the division.

*Patti Riechers* 01/14/2013  
Signature Date

Printed Name  
Patti Riechers, Regulatory Specialist

**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.

DECEMBER 17, 2011, 84C

Date of Survey

*[Signature]*  
Signed and Sealed as Professional Surveyor

Certification Number: FILLMON P. JACOBI, LLC, PLS 12797  
UNITED LAND SURVEYORS SURVEY NO. 746



Samuel Walker  
Landman

Devon Energy Corporation  
333 West Sheridan Ave.  
Oklahoma City, Oklahoma 73102-8260  
Office: (405) 228-4342  
Fax: (405) 234-2634

November 4, 2013

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Off Lease Measurement and Sales  
Section 26-T21S-R31E  
Eddy County, NM



Gentlemen:

Devon Energy Production Company, L.P. ("Devon") recently reviewed its files covering ST OF NM V-8747 and ST OF NM V-8760 and has determined that the ownership of the working interest, royalty interest and overriding royalty interest in the following wells are uniform with respect to Devon's application for Off Lease Gas Measurement and Sales:

Shaqtus 26 State Com 1H	API: 30-015-39819
Shaqtus 26 State Com 2H	API: 30-015-39896
Shaqtus 26 State Com 3H	API: 30-015-39994
Shaqtus 26 State Com 4H	API: 30-015-40012

If there are any questions or if any additional information is required, feel free to call me at (405) 228-4342.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

A handwritten signature in black ink, appearing to read "Samuel Walker", written over a horizontal line.

Samuel Walker  
Landman



27

26

Shaqtus 26 St Com 1H

Shaqtus 26 St Com 2H

Shaqtus 26 St Com 3H

Shaqtus 26 St Com 4H

**21S 31E**

35

ST of NM V-3604

2

**22S 31E**

ates  
6/1/15

22

23

24

ST of NM VO 8747

25

27

26

ST of NM VO 8760

28

35

Shaqtus 26 St Com 1H

Shaqtus 26 St Com 2H

Shaqtus 26 St Com 3H

Shaqtus 26 St Com 4H

**21S 31E**

36



# Shaqtus 26 CTB & Surface Commingle

26

21S-31E

EDDY  
COUNTY

CDP #131-35405

us 26 State Com 1H

Shaqtus 26 State Com 2H

Shaqtus 26 State Com 3H

Shaqtus 26 St

33





**Shaqtus 26 State Com 3H Battery**  
**Sec. 35-T21S-R31E**  
**330' FNL 2000' FEL**  
**Eddy County, NM**

Production System: Closed


1) Oil sales by tank gauge to tank truck.


2) Seal requirements:


A. Production Phase: On all Tanks.


(1) All valves 5 sealed closed.

Sales Phase: On Tank being hauled.


(1) Valve 1 sealed closed. 

(2) Valve 3 sealed closed. 

(3) Valve 4 sealed closed. 


(4) Valve 5 sealed closed. 


(5) Misc. Valves: Plugged or otherwise unaccessible.


NOTE: Valve 2 is either a test or roll line if there is a valve 2 it will be sealed closed. 


**Legend for Site Diagram**


Valve #1: Production Line 


Valve #2: Test or Roll line 

Valve #3: Circ./Drain Line 


Valve #4: Equilizer Line 

Valve #5: Sles Line 

Valve #6: BS&W Load Line 


Buried Lines: 

Firewall: 

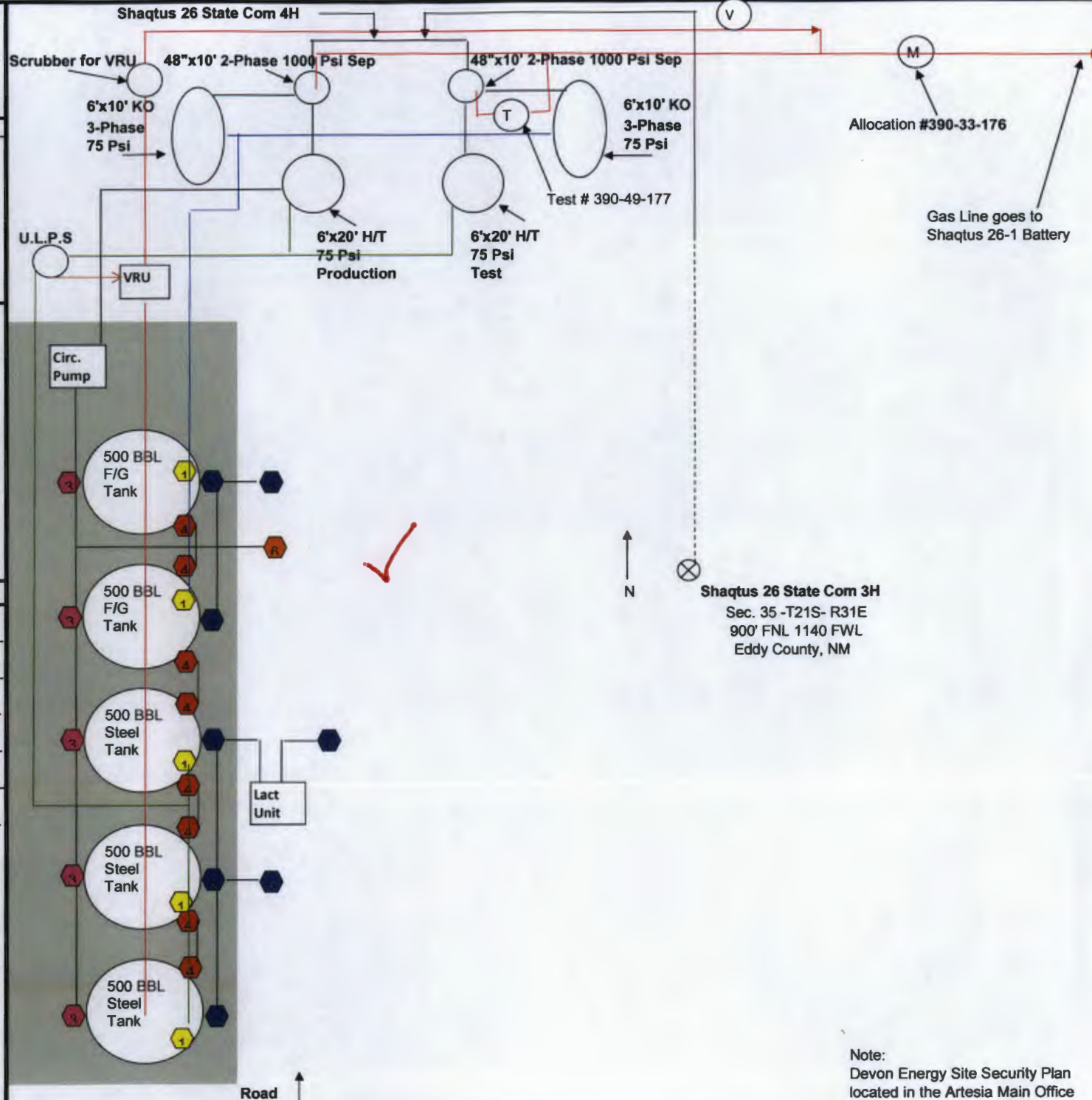
Wellhead: 

Stak-pak: 

Production line: 

Water line: 

Gas Meter   



Note:  
 Devon Energy Site Security Plan  
 located in the Artesia Main Office





# Natural Gas Analysis Report

## AKM Measurement Services

### Sample Information

	Sample Information <i>g</i>
Sample Name	Shaktus 26 Fed 1 (39033213)
Injection Date	2013-10-07 14:30:45

### Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	5.1488	0.000	
Methane	72.0461	0.000	
CO2	0.0401	0.000	
Ethane	11.9264	3.201	
H2S	0.0000	0.000	
Propane	6.8046	1.881	
iso-Butane	0.7383	0.242	
n-Butane	1.9543	0.618	
iso-Pentane	0.4448	0.163	
n-Pentane	0.4528	0.165	
Hexanes Plus	0.4438	0.193	
Water	0.0000	0.000	
Total:	100.0000	6.464	

*I input into netel  
ng*

### Results Summary

Result	Dry	Sat.	
Pressure Base (psia)	14.730		
Flowing Temperature (Deg. F)	0.0		
Flowing Pressure (psia)	0.0		
Gross Heating Value (BTU / Real cu.ft.)	1264.1	1242.6	
Relative Density (G), Real	0.7701	0.7679	
Total GPM	6.464	6.454	
Total Molecular Weight	22.231	22.158	

*OK*

DS

# **Natural Gas Analysis Report** **AKM Measurement Services**

## **Sample Information**

Sample Information	
Sample Name	Shaktus 26 Fed 3&4 (39033176)
Injection Date	2013-10-07 14:01:41

## **Component Results**

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	5.4683	0.000
Methane	72.9205	0.000
CO2	0.0586	0.000
Ethane	10.8116	2.902
H2S	0.0000	0.000
Propane	6.1257	1.694
iso-Butane	0.7189	0.236
n-Butane	1.8976	0.600
iso-Pentane	0.5163	0.189
n-Pentane	0.5451	0.198
Hexanes Plus	0.9374	0.408
Water	0.0000	0.000
Total:	100.0000	6.228

*I input into meter.*

## **Results Summary**

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	0.0	
Flowing Pressure (psia)	0.0	
Gross Heating Value (BTU / Real cu.ft.)	1265.5	1244.0
Relative Density (G), Real	0.7749	0.7726
Total GPM	6.228	6.222
Total Molecular Weight	22.368	22.292

