#### nm-Horns'

Form 3160-5 (February 2005)

# UNITED STATES DEPARTMENT OF THE INTERIOR

RECEIVED

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

|  | AKIMENI OF THE I   |  |   |   | Expire   | s: March 31, 2007  |
|--|--|--|---|---|--|--|
| BUR  | EAU OF LAND MAN  | AGEMENT  | MAR O   | 3 7011  | <ol><li>Lease Serial No. NN</li></ol>  | <i>И</i> -98189  |
|  | EAU OF LAND MAN<br>IOTICES AND REPC<br>Form for proposals to<br>Use Form 3160-3 (A   |  | a Harman Age and  | ***   | 6. If Indian, Allottee or T  | ribe Name  |
| SUBMIT   | T IN TRIPLICATE – Other  | instructions on  | page 2.   |   | 7. If Unit of CA/Agreeme   | ent, Name and/or No.   |
| 1. Type of Well  |  |  |   |   |  |  |
| ✓ Oil Well Gas W   | Vell Other   |  |   |   | 8. Well Name and No.   | See Below  |
| 2. Name of Operator<br>Devon Energy Production Co., LP   | /  |  |   |   | 9. API Well No.  | See Below  |
| 3a. Address<br>20 North Broadway<br>OKC, OK 73102  |  | 3b. Phone No. (405)- 552-45  | (include area co<br>24  | ode)  | 10. Field and Pool or Exp<br>41450 — Lus   | oloratory Area<br>sk; Bone Spring, North                               |
| 4. Location of Well (Footage, Sec., T.,, See Below   | R.,M., or Survey Description,  | )  |   |   | 11. Country or Parish, St<br>Lea Co  | ate<br>ounty, NM   |
| 12. CHEC   | CK THE APPROPRIATE BC  | X(ES) TO INDI  | CATE NATUR  | E OF NOTIC                                    | E, REPORT OR OTHER   | DATA   |
| TYPE OF SUBMISSION   |  |  |   | PE OF ACT                                     |  |  |
| Notice of Intent   | 1 Acidiro  |  | en ure Treat  | Recla   | nction (Start/Resume) mation mplete  | Water Shut-Off Well Integrity Other CTB, Off-Lease Gas                 |
| Subsequent Report  | Change Plans   | Plug a   | and Abandon   | _   | orarily Abandon  | Measurement & Sales  |
| Final Abandonment Notice   | Convert to Injection   | Plug I   | Back  | ☐ Wate  | r Disposal   |  |
| Nana 30 Federal 2H Af<br>Nana 30 Federal 3 Al<br>A Central Tank Battery will be locate<br>attached facility diagram). A common<br>wells in Section 31-T18S-R32E. No<br>induced and no correlative rights are | r final inspection.)  respectfully requests appr Pl: 30-025-39365 Pl: 30-025-39579 Pl: 30-025-39580  ed at the Nana 30 Federal on DCP Gas Sales Meter is o other wells are connected e impaired. | roval for Off-Le:<br>Sec 30-T18S-<br>Sec 30-T18S-<br>Sec 30-T18S-<br>3 location. Th<br># 726113-00 w | ase Gas Meas<br>R32E /<br>R32E /<br>R32E /<br>e Well Test Me<br>ill be used for t | urement & S<br>ethod will be<br>the wells and | ales for the following wased to allocate productions to be considered to allocate productions to be considered to be consider | vells:<br>ction back to the wells (see<br>ely 1 mile south of the Nana |
| ROW will or has already been obtain  | ned.   |  |   |   |  |  |
| The working interest, royalty interes  | t and overriding royalty int   | erest owners ir  | n the lease are   | uniformed;                                    | no additional notification   | n is required.   |
|  | *  |  |   |   | SEE ATTAC  | CHED FOR   |
| 14. I hereby certify that the foregoing is true and correct.  Name (Printed/Typed)   |  |  | Tid. Pogulat  | on, Anglyot                                   | CONDITION  | NS OF APPROVAL   |
| Melanie Crawford  Signature Wlaw   | e (raw) o  | \d   | Title Regulat   | Onu   | ary 17, 3  | F011   |
|  | THIS SPACE   | FOR FEDE   | RAL OR ST   | ATE OFF                                       | ICE USE  |  |
| Approved by /s/ JD V   | Vhitlock Jr  |  |   | 105-  |  | 2/ /   |
| Conditions of approval, if any, are attached that the applicant holds legal or equitable tentitle the applicant to conduct operations  | itle to those rights in the subject  |  |   | CFO   | Dat  | MAR U 4 2011   |
| Title 18 U.S.C. Section 1001 and Title 43 fictitious or fraudulent statements or repre   |  |  |   | and willfully to                              | make to any department of  | gagency of the United States any false,                                |

(Instructions on page 2)

LELHOFEAN ENGINEER

## APPLICATION FOR CTB, OFF-LEASE GAS MEASUREMENT AND SALES APPROVAL

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

#### CTB, Off-Lease Gas Measurement & Sales proposal for Nana:

Devon Energy Production Company, LP is requesting approval for CTB, Off-Lease Gas Measurement & Sales from the Lusk; Bone Springs, North (41450) from the following wells:

#### Federal Lease NM-98189

| Well Name   | Location         | API#         | Pool 41450               | <b>MCFPD</b> | BTU  |  |  |  |
|---|------------------|--------------|--------------------------|--------------|------|--|--|--|
| Nana 30 Federal 1H  | Sec 30-T18S-R32E | 30-015-39365 | Lusk; Bone Spring, North | 139.53       | 1320 |  |  |  |
| Nana 30 Federal 2H  | Sec 30-T18S-R32E | 30-015-39579 | Lusk; Bone Spring, North | 682.61       | 1320 |  |  |  |
| Nana 30 Federal 3   | Sec 30-T18S-R32E | 30-015-39580 | Lusk; Bone Spring, North | 85.86        | 1320 |  |  |  |
| * The BTU's for the Nana wells is an Average Composite Sample |                  |              |                          |              |      |  |  |  |

A map is enclosed showing the Federal leases and well locations in Section 30-T18S-R32E. The ownership in the Nana leases is uniformed; no additional notification is required.

#### Gas metering:

The gas hydrocarbon production from the Nana wells will be the only hydrocarbon being commingled, measured and sold off-lease. A common DCP Gas Sales Meter # 726113-00 is located approximately 1 mile south of the Nana wells in Section 31-T18S-R32E. The Nana wells will have no check meters, but will be allocated by the Well Test Method. There will be a Central Tank Battery that will be utilized and it is located at the Nana 30 Federal 3 location in Section 30-T18S-R32E on Federal Lease NM-98189 in Lea County, New Mexico.

Oil, gas 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 well is always producing through the testing equipment. Production will be allocated on a daily basis based on the most recent individual well test of oil, gas and water. Well tests for each well will be conducted at least once per month.

The BLM's interest in all three wells is the same. Waste is not induced and no correlative rights are impaired. These meters will be calibrated on a regular basis per API, NMOCD and BLM specifications. The BLM and OCD will be notified of any future changes in the facilities.

#### **Process and Flow Descriptions:**

Please see attached diagram for the proposed Nana 30 Federal 3 Central Tank Battery. The flow of produced fluids is shown in detail, along with a description of each vessel.

The commingling of production is in the interest of conservation and waste and will result in the most effective, economic means of producing the reserves in place from the affected wells and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses as well as reduce the surface facility footprint and overall emissions.

Devon Energy Production Company, LP understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. Additionally, Devon Energy Production Co., LP will submit within 30 days, an application for right-of-way approval to the BLM and NMOCD section in your office, if we have not already done so.

Printed Name: Melanie Crawford

Title: Regulatory Analyst Date: \-\7-20\\



December 7, 2010

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

RE: Nana 30 Fed 1H Nana 30 Fed 2H Nana 30 Fed 3 Section 30-18S-32E Lea County, New Mexico

#### Gentlemen:

I have reviewed the files of Devon Energy Production Company, L. P. regarding the ownership of the referenced wells and the associated oil and gas lease and find that the ownership of the working interest, royalty and overriding royalty interest are uniform with respect to Devon's application for Off-Lease Gas Measurement & Sales pertaining to the following wells:

Nana 30 Fed 1H, API #30-025-39365, State of New Mexico Lease NM 98189 Nana 30 Fed 2H, API #30-025-39579, State of New Mexico Lease NM 98189 Nana 30 Fed 3, API #30-025-39580, State of New Mexico Lease NM 98189

If there are any questions, or if additional information is required, please contact me.

Very truly yours,

DEVONENERGY PRODUCTION COMPANY, L.P.

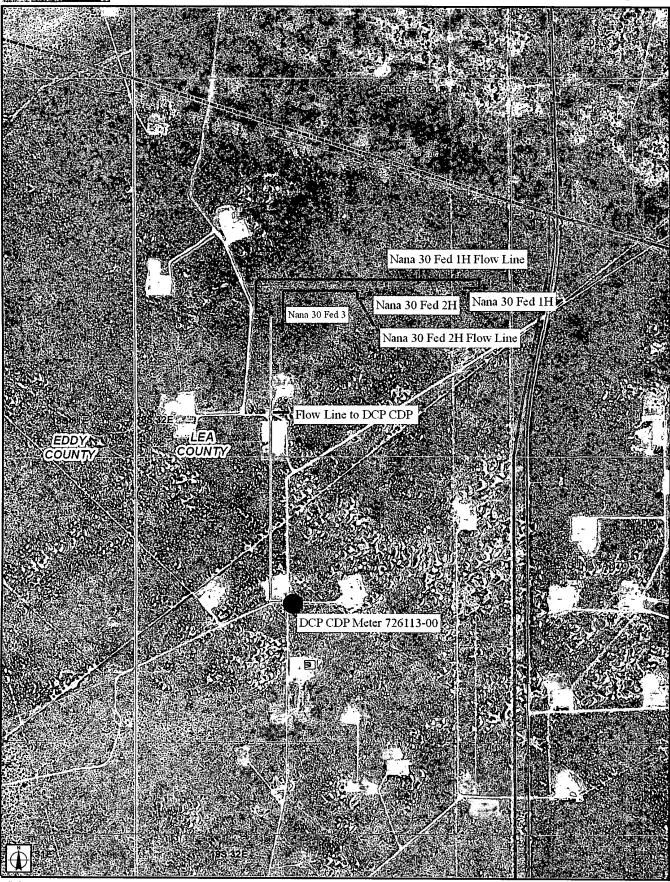
Jim Ball
Land Advisor

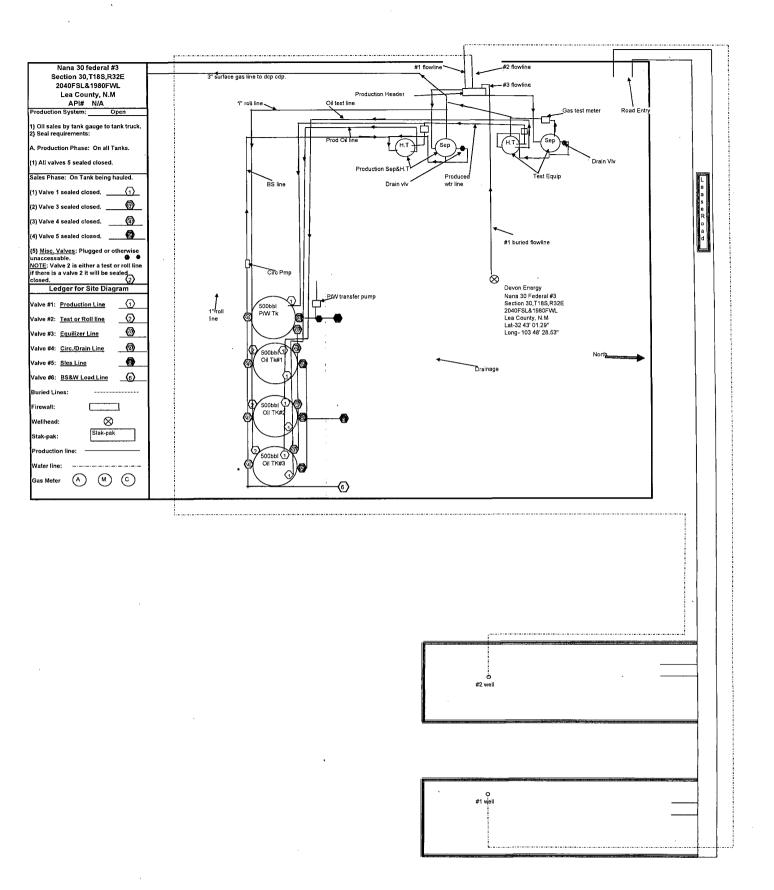
| devon 24                 | Nana Wells<br>Lea County, NM                                     | 20  |
|--------------------------|--|---|
| 25<br>18S - 31E<br>EDDY  | 30<br>NANA 30 FED 2H NANA 30 FED 3<br>18S - 32E  LEA  NM - 98189 | 29<br>ED 1H   |
| JECTIONS  Devon Minerals | 31<br>19S - 32E  | This resp is for Bastrasive purposes only and is neither a legally recorded map are a survey and is neither a legally recorded map are a survey and is no intended to be used as one. Devon |



### **Devon GIS Intranet Mapping**

# devon





December, 2010

726113-00 Nana 30 Fed #3

| Component             | Component Mole % GPMs Mass % Property |        | Property | Total<br>Sample               | C6 Plus<br>Fraction |  |
|-----------------------|---------------------------------------|--------|----------|-------------------------------|---------------------|--|
| Carbon Dioxide, CO2   | 0.8780                                |        | 1.7004   | Pressure Base                 | 14.730              |  |
| Nitrogen, N2          | 2.0760                                |        | 2.5592   | Temperature Base              | 60.00               |  |
| Methane, C1           | 74.6027                               |        | 52.6658  | HCDP @ Sample Pressure        |                     |  |
| Ethane, C2            | 10.8381                               | 2.9097 | 14.3408  | Cricondentherm                |                     |  |
| Propane, C3           | 5.9621                                | 1.6489 | 11.5689  | HV, Dry @ Base P, T           | 1320.62             |  |
| iso-Butane, iC4       | 0.7890                                | 0.2592 | 2.0180   | HV, Sat @ Base P, T           | 1297.51             |  |
| n-Butane, nC4         | 2.2310                                | 0.7061 | 5.7062   | HV, Sat @ Sample P, T         |                     |  |
| iso-Pentane, iC5      | 0.6460                                | 0.2372 | 2.0510   | Relative Density              | 0.7875              |  |
| n-Pentane, nC5        | 0.7610                                | 0.2769 | 2.4161   | Fws Factor                    |                     |  |
| Hexanes Plus, C6+     | 1.2110                                | 0.5305 | 4.9661   | Free Water GPM                |                     |  |
| Water, H2O            | 0.0000                                |        | 0.0000   | Stock Tank Condensate Brls/mm |                     |  |
| Hydrogen Sulfide, H2S | 0.0050                                |        | 0.0075   | 26 # RVP Gasoline             | 1.591               |  |
| Oxygen, O2            | 0.0000                                |        | 0.0000   | Testcar Permian               | 1.212               |  |
| Carbon Monoxide, CO   | 0.0000                                |        | 0.0000   | Testcar Panhandle             | 1.046               |  |
| Hydrogen, H2          | 0.0000                                |        | 0.0000   | Testcar Midcon                | 0.876               |  |
| Helium, He            | 0.0000                                |        | 0.0000   |                               |                     |  |
| Argon, Ar             | 0.0000                                |        | 0.0000   |                               |                     |  |
| Totals                | 99.9999                               | 6.5685 | 100.0000 |                               |                     |  |

\*\*\* End of Report \*\*\*

Date: 11/15/2010

Type: Spot

Pressure:

Temperature:

## **OFF LEASE PRODUCTION - LEA COUNTY**

|                    | 08/01/10       | 09/01/10       | 10/01/10       | 11/01/10       | 12/01/10       | 01/01/11       |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Well Name          | Sum Est<br>Gas |
| Nana 30 Federal 1H | 3,289.19       | 6,345.98       | 6,578.95       | 6,100.45       | 4,445.17       | 1,268.59       |
| Nana 30 Federal 2H | 0.             | 0.             | 0.             | 0.             | 10,280.17      | 6,212.74       |
| Nana 30 Federal 3  | 3,105.82       | 3,238.29       | 2,979.6        | 2,488.6        | 2,469.86       | 780.66         |



Devon Energy Production Company 20 North Broadway – CT 3.058 Oklahoma City, Oklahoma 73102-8260 Phone: (405)-552-4524 Fax (405)-552-1358 Melanie.Crawford@dvn.com

January 17, 2011

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

Re: CTB, Off Lease Gas Measurement and Sales Approval

Nana 30 Federal 1H, Nana 30 Federal 2H, Nana 30 Federal 3

API # 30-015-39365, 30-015-39579 & 30-015-39580

Sec 30-T18S-R32E Lease NMNM-98189

Lusk; Bone Spring, North - Pool Code: 41450

Lea County, New Mexico

Dear Mr. Ezeanyim:

Please find attached the OCD Form C-103 and BLM Form 3160-5 Sundry Notice of Intent for Off-Lease Gas Measurement & Sales. The working interest, royalty interest and overriding royalty interest owners in both leases are uniform; no further notification is required.

BLM sundry approval and BLM conditions of approval attached.

Should you require any additional information or assistance, please do not hesitate to contact me at (405)-552-4524.

Very truly yours,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Melanie Crawford Regulatory Analyst

**Enclosures**