

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 \_\_\_\_\_

- PC  
 - Rigel 20 Federal Com Int  
 30-015-39393  
 - Rigel 20 Federal Com St  
 30-015-41514  
 - Decon Energy  
 Production company  
 LP  
 6137

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply Pool

- [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

- Hackberry; Bone Springs, NWLO  
 97020  
 - Hackberry; Bone Springs, NWLO  
 97056

[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

*Erin Workman*  
 Signature

Regulatory Compliance Prof.  
 Title

04.21.15  
 Date

Erin.Workman@dvn.com  
 E-mail Address



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

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

April 21, 2015

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

**Re: Central Tank Battery**  
**Rigel 20 Fed Com 1H & Rigel 20 Fed Com 5H,**  
**Lease: NMNM 0557729, NMNM63362, NMNM28328, NMNM129458 (CA)**  
**API: 30-015-39393 & 30-015-41514**  
**Pool: Hackberry; Bone Spring, N**  
**County: Eddy County, New Mexico**

RECEIVED OCD  
2015 APR 22 A 10: 37

Dear Mr. Ezeanyim:

Please find attached the OCD Form C-107B Sundry Notice of Intent for a Central Tank Battery.

A copy of the BLM approval is attached.

The working interest, royalty interest and overriding royalty interest owners are not identical; notification has been sent via certified mail (see attached).

Should you have any questions or need further assistance, please do not hesitate to contact me at (405) 552-7970.

Sincerely,

Erin Workman  
Regulatory Compliance Professional

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OPERATOR'S COPY**

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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. NMNM28328
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. NMNM129458
8. Well Name and No. Multiple--See Attached
9. API Well No. Multiple--See Attached
10. Field and Pool, or Exploratory HACKBERRY UNKNOWN
11. County or Parish, and State EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator DEVON ENERGY PRODUCTION CO	
Contact: ERIN WORKMAN Email: ERIN.WORKMAN@DVN.COM	
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple--See Attached	

**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"/> 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 Surface Commingling
	<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	

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 shall 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 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 site is ready for final inspection.)

Per verbal approval by Duncan Whitlock 01.07.14, Devon Energy Production Company, LP respectfully requests for a Central Tank Battery, Off-Lease Measurement, Sales, & Storage for the following wells:

Rigel 20 Fed Com 1H  
Sec. 20, NWNW, T19S, 31E  
Hackberry, BS  
30-015-39393  
NMNM0557729, NMNM63362, NMNM28328, NMNM129458

Rigel 20 Fed Com 5H  
Sec. 19, NENE, T19S, 31E

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #287573 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by DUNCAN WHITLOCK on 01/10/2015 (15DW0080SE)	
Name (Printed/Typed) ERIN WORKMAN	Title REGULATORY COMPLIANCE PROF.
Signature (Electronic Submission)	Date 01/10/2015

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

Approved By <i>J. D. R. Whitlock</i>	Title EPS	Date 1/10/15
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 CFO	

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.

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 Co., LP

OPERATOR ADDRESS: 333 W Sheridan Avenue, Oklahoma City, OK 73102

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
Hackberry; Bone Spring, North	41/1295.9				
Hackberry; Bone Spring, NW	37/1212.6				

(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 (Coriolis Test Method)  
(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

**(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: \_\_\_\_\_ TITLE: Regulatory Compliance Prof. DATE: 04.22.15

TYPE OR PRINT NAME: Erin Workman TELEPHONE NUMBER: 405-552-7970

E-MAIL ADDRESS: Erin.workman@dvn.com

# APPLICATION FOR A CENTRAL TANK BATTERY

## Proposal for the Rigel 20 Fed Com 1H & 5H

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

Federal Lease: NMNM0557729 (12.5%) NMNM63362 (Schedule B) NMNM28328 (12.5%) NMNM129458 (CA)

Well Name	Location	API #	Pool 29345	BOPD	Oil		BTU
					Grav.	MCFPD	
Rigel 20 Fed Com 1H	NWNW Sec 20, T19S, 31E	30-015-39393	Hackberry; BS, N	64	37	100	1212.6
Rigel 20 Fed Com 5H	NENE Sec. 19, T19S, 31E	30-015-41514	Hackberry; BS, N	95	41	570	1295.9

Attached is a map displays the federal leases and well locations in Section 19, T19S, R31E, & Sec. 20, T19S, R31E.

Communization Agreement has been approved for the Rigel 20 Fed Com 1H & 5H (NMNM129458)

The BLM's interest these wells are identical.

### Oil & Gas metering:

The central tank battery is located at the Rigel 20 Fed Com 1H battery in Sec. 20, T19S, R31E, in Eddy County, New Mexico. The Rigel 20 Fed Com 1H production will flow through their own three phase separator with a micro motion coriolis meter to meter the oil, flow meter to meter the water, and gas allocation meter to meter the gas. The Rigel 20 Fed Com 5H will flow through a two phase separator, then through a three phase separator with a micro motion coriolis meter to meter the oil and then to the heater/treater with another micro motion coriolis meter to meter the oil, flow meter to meter the water, and gas allocation meter to meter the gas. VRU will be allocated back to each well utilizing a percentage of each wells monthly oil production.

The Rigel 20 Fed Com 1H battery will have 3 oil tanks that both wells will utilize. The Rigel 20 Fed 1H gas production will flow to the DCP CDP #926982-00 which is on location at the Rigel 20 Fed Com 1H battery in Sec. 20, T19S, R31E, on the east side of the facility. The Rigel 20 Fed 5H gas production will flow to Enterprise CDP # 6883001 in Sec. 18, SWSE, T19S, R31E. Oil, gas, and water volumes from both wells producing to this battery will be determined by using a test separator/heater treater at the proposed facility. Oil sold through a common LACT meter using meter #P655654331.

The Rigel 20 Fed Com 1H flows into a three phase separator, after separation, the gas flows to the gas allocation meter #677-49-158 then to the DCP CDP #926982-00. The produced oil is metered with a Micro Motion Coriolis Meter (number provided upon receipt), combines with the oil from the 5H, flows into the heater/treater, is measured with the Micro Motion Coriolis Meter #14454799, and then flows to one of the 500 bbl. oil tanks. The produced water is metered utilizing a mag meter, it then flows into the FWKO, and into the 500 bbl. produced water tank.

The Rigel 20 Fed Com 5H flows into a two phase separator, where after separation gas combines with the gas from the 3 phase separator and is routed to the gas allocation meter #67749123, then to the Enterprise CDP # 6883001 in Sec. 18, SWSE, T19S, R31E. The produced water and oil then flows into a three phase separator and after separation, the produced oil is metered with a Micro Motion Coriolis Meter #14417581 combines with the oil from the 1H, flows into the heater/treater, is measured with the Micro Motion Coriolis Meter #14454799, and then flows to one of the 500 bbl. oil tanks. The water is metered utilizing a mag meter, then flows into the FWKO, and into the 500 bbl. produced water tank.

Oil production will be allocated on a daily basis based on the Micro Motion Coriolis allocation meters for each well. This meter will be proven, as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter, the factor obtained will be used to allocate the production volumes. Gas production for these wells will be allocated on a daily basis using the gas allocation meters for each well. The gas production from the Rigel 20 Fed 1H and VRU gas allocation meters will flow to the Duke Energy CDP #926982-00. The gas production from the Rigel 20 Fed 5H gas allocation meter will flow to the Enterprise CDP # 6883001 in Sec. 18, SWSE, T19S, R31E. 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:

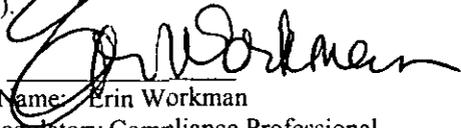
The flow of produced fluids is shown in detail on the enclosed facility diagram, along with a description of each vessel and map which shows the lease boundaries, communization agreement boundaries, and location of wells, facility, and gas sales meter. The proposed commingling is appropriate based on the BLM's guidance in IM 2013-152. 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 not adversely affect federal royalty income, production accountability, or the distribution of royalty.

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. ROW NM-130245 has been granted.

Working, royalty, and overriding interest owners are not identical and have been notified of this proposal via certified mail (see attached).

Signed:



Printed Name: Erin Workman

Title: Regulatory Compliance Professional

Date: 04.21.15

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

RECEIVED  
NOV 20 2012  
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 30-015-39393		2 Pool Code 97020		3 Pool Name HACKBERRY; BONE SPRING, NW	
4 Property Code 38797		5 Property Name RIGEL "20" FEDERAL COM			6 Well Number 1H
7 OGRID No. 6137		8 Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			9 Elevation 3418.0

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	19 S	31 E		425	NORTH	330	WEST	EDDY

11 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
A	20	19 S	31 E		400	NORTH	330	EAST	EDDY

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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><b>RIGEL "20" FEDERAL COM #1H</b> ELEV. = 3418.0' LAT. = 32.6519959°N (NAD83) LONG. = 103.8989484°W NMSP EAST (FT) N = 601184.15 E = 675027.79</p>		<p><b>BOTTOM OF HOLE</b> LAT. = 32.6520823°N LONG. = 103.8839474°W NMSP EAST (FT) N = 601234.81 E = 679645.79</p>		<p><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 my organization wishes only a working interest or a leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with the 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><b>SURFACE LOCATION</b> NW CORNER SEC. 20 LAT. = 32°39'11.38"N LONG. = 103°54'00.09"W NMSP EAST (FT) N = 601607.32 E = 674694.79</p>		<p><b>BOTTOM OF HOLE</b> NE CORNER SEC. 20 LAT. = 32°39'11.46"N LONG. = 103°52'58.32"W NMSP EAST (FT) N = 601636.62 E = 679972.34</p>		<p>Signature: <i>Judy A. Barnett</i> DATE: 7/19/12 Printed Name: Judy A. Barnett, Regulatory Specialist</p>	
<p>SW CORNER SEC. 20 LAT. = 32°38'19.12"N LONG. = 103°53'59.90"W NMSP EAST (FT) N = 596324.81 E = 674732.70</p>		<p>SE CORNER SEC. 20 LAT. = 32°38'19.22"N LONG. = 103°52'58.15"W NMSP EAST (FT) N = 596356.60 E = 680013.34</p>		<p><b>18 SURVEYOR CERTIFICATION</b> 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. NOVEMBER 2012 Date of Survey: 11/19/12 Signature and Seal of Professional Surveyor: <i>[Seal and Signature]</i> Certificate Number: 12797 SURVY NO 308</p>	

State of New Mexico

AUG 20 2014

Form C-102

Energy, Minerals & Natural Resources Department

Revised August 1, 2011

OIL CONSERVATION DIVISION

Submit one copy to appropriate

1220 South St. Francis Dr.

District Office

Santa Fe, NM 87505

AMENDED REPORT

**District I**  
625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 293-6161 Fax: (575) 293-0720  
**District II**  
511 S. First St., Artesia, NM 88210  
Phone: (575) 748-1255 Fax: (575) 748-0720  
**District III**  
1019 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

*As Drilled*

<sup>1</sup> API Number 30-015-41514	<sup>2</sup> Pool Code 97056	<sup>3</sup> Pool Name Hackberry North; Bone Spring
<sup>4</sup> Property Code 38797	<sup>5</sup> Property Name RIGEL 20 FED COM	
<sup>6</sup> OGRID No. 6137	<sup>7</sup> Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	<sup>8</sup> Well Number 5H
		<sup>9</sup> Elevation 3417.2

<sup>10</sup> Surface Location

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	19 S	31 E		480	NORTH	190	EAST	EDDY

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

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	19 S	31 E		595	NORTH	342	EAST	EDDY

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consultation Code	<sup>15</sup> Order No.
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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.

<sup>16</sup> NW CORNER SEC. 19  
LAT. = 32.8530875 N  
LONG. = 103.9159439 W  
NMSP EAST (FT)  
N = 601575.46  
E = 669420.43

<sup>16</sup> N Q CORNER SEC. 19  
LAT. = 32.8531159 N  
LONG. = 103.9085861 W  
NMSP EAST (FT)  
N = 601595.36  
E = 673059.85

<sup>16</sup> SECTION CORNER  
LAT. = 32.8531485 N  
LONG. = 103.9002099 W  
NMSP EAST (FT)  
N = 601517.77  
E = 674898.81

<sup>16</sup> N Q CORNER SEC. 20  
LAT. = 32.8531577 N  
LONG. = 103.8914473 W  
NMSP EAST (FT)  
N = 601532.72  
E = 677337.52

<sup>16</sup> NE CORNER SEC. 20  
LAT. = 32.8531671 N  
LONG. = 103.8828777 W  
NMSP EAST (FT)  
N = 601647.20  
E = 679978.01

**RIGEL "20" FED COM #5H**  
ELEV. = 3417.2'  
LAT. = 32.8518251 N (NAD83)  
LONG. = 103.9006338 W  
NMSP EAST (FT)  
N = 601156.21  
E = 674512.14

**BOTTOM OF HOLE**  
LAT. = 32.8516545 N  
LONG. = 103.8819746 W  
NMSP EAST (FT)  
N = 601095.48  
E = 670610.75

<sup>16</sup> W Q CORNER SEC. 19  
COMPUTED.

<sup>16</sup> SECTION CORNER  
LAT. = 32.6458859 N  
LONG. = 103.8999987 W  
NMSP EAST (FT)  
N = 599576.32  
E = 674717.05

<sup>16</sup> E Q CORNER SEC. 20  
LAT. = 32.6459142 N  
LONG. = 103.8828415 W  
NMSP EAST (FT)  
N = 599008.56  
E = 675997.37

<sup>16</sup> SW CORNER SEC. 19  
LAT. = 32.8385790 N  
LONG. = 103.9159439 W  
NMSP EAST (FT)  
N = 598296.75  
E = 669505.87

<sup>16</sup> S Q CORNER SEC. 19  
LAT. = 32.8386043 N  
LONG. = 103.9085861 W  
NMSP EAST (FT)  
N = 598315.35  
E = 672092.70

<sup>16</sup> SECTION CORNER  
LAT. = 32.8386302 N  
LONG. = 103.8999987 W  
NMSP EAST (FT)  
N = 598338.45  
E = 674738.47

<sup>16</sup> S Q CORNER SEC. 20  
LAT. = 32.6386419 N  
LONG. = 103.8913925 W  
NMSP EAST (FT)  
N = 598351.78  
E = 677376.33

<sup>16</sup> SE CORNER SEC. 20  
LAT. = 32.6386573 N  
LONG. = 103.8828175 W  
NMSP EAST (FT)  
N = 598362.47  
E = 680015.84

**"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 including 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 to a voluntary pooling agreement or a crumey trust pooling order heretofore entered by the division*

*Tami Laird* 8/14/14  
Signature Date

Tami Laird, Regulatory Analyst  
Printed Name  
tami.laird@dm.com  
E-mail Address

**"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.*

FEBRUARY 3 2014  
Date of Survey

*Alexander F. Jaramie*  
Signature and Seal of Professional Surveyor

Certificate Number: 4-FILMONT F. JARAMIE I.O. #LS 12797  
SURVEY NO. 1597A

pp: 48' FWL & 532' FNL  
20-19S-31E

Producing Area:    
Project Area:



Devon Energy Production Company  
333 W. Sheridan Avenue  
Oklahoma City, Oklahoma 73102  
Phone: (405)-552-7970  
[Erin.Workman@dvn.com](mailto:Erin.Workman@dvn.com)

April 21, 2015

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Interest Owners

**Re: Central Tank Battery**  
**Rigel 20 Fed Com 1H & Rigel 20 Fed Com 5H**  
**Leases: NMNM 0557729, NMNM63362, NMNM28328, & NMNM129458 (CA)**  
**API: 30-015-39393, 30-015-39394, & 30-015-41514**  
**Pool: Hackberry; Bone Spring, N**  
**County: Eddy County, New Mexico**

To whom it may concern:

This is to advise you that Devon Energy Production Company, LP, is filing an application with the New Mexico Oil Conservation Division ("NMOCD") seeking approval for a Central Tank Battery for the above mentioned wells.

A copy of our application submitted to the Division, along with the approval from the BLM is attached.

Any objections or requests that a hearing should be held regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe office within 20 days from the date of this letter.

Please contact the undersigned at (405) 552-7970 should you have any questions or need anything further.

Sincerely,

Devon Energy Production Company, L.P.

A handwritten signature in black ink, appearing to read "Erin Workman". The signature is written in a cursive, flowing style.

Erin Workman  
Regulatory Compliance Professional

Enclosure

**E-CERTIFIED MAILING LIST**Mailing Reference: **Rigel 10 Fed Com 1H**

<b><u>Repondent Name/Address:</u></b>	<b><u>E-Certified Mailing Number:</u></b>
Hanson McBride Petroleum Company P.O. Box 1515 Roswell, New Mexico 88202-1515	9171999991703448455134
McBride Oil & Gas Corporation P.O. Box 1515 Roswell, New Mexico 88202-1515	9171999991703448455141
Endurance Properties, Inc.. 15455 Dallas Parkway, Suite 1050 Addison, Texas 75001	9171999991703448455158
Jay Petroleum, LLC 2425 West Loop S. Ste. 810 Houston, TX 77027-4214	9171999991703448455165
Ray Westall Operating, Inc. P.O. Box 4 Loco Hills, New Mexico 88255-0004	9171999991703448455172
Dorchester Minerals Operating 3838 Oak Lawn Avenue, Suite 300 Dallas, Texas 75219-4541	9171999991703448455189
Sue Hanson McBride P.O. Box 1515 Roswell, New Mexico 88202-1515	9171999991703448455196
Julie Scott McBride P.O. Box 1515 Roswell, New Mexico 88202-1515	9171999991703448455202
Parker F. English 441 W. Silver Meadow Drive Midwest City, Oklahoma 73110	9171999991703448455219
L. Wynelle E. Crow 2802 W. 25th Roswell, New Mexico 88201	9171999991703448455226
LA Gene E. Verhines 511 S. Fir Avenue Roswell, New Mexico 88203	9171999991703448455233

**E-CERTIFIED MAILING LIST**

Mailing Reference: **Rigel 10 Fed Com 1H**

**Repondent Name/Address:**

**E-Certified Mailing Number:**

Joyco Investments, LLC  
P.O. Box 2104  
Roswell, New Mexico 88202-2104

9171999991703448455240

Back Nine Oil & Gas LTD  
P.O. Box 162810  
Austin, Texas 78176-2810

9171999991703448455257

Spraberry Oil & Gas LP  
P.O. Box 2788  
Midland, Texas 79702

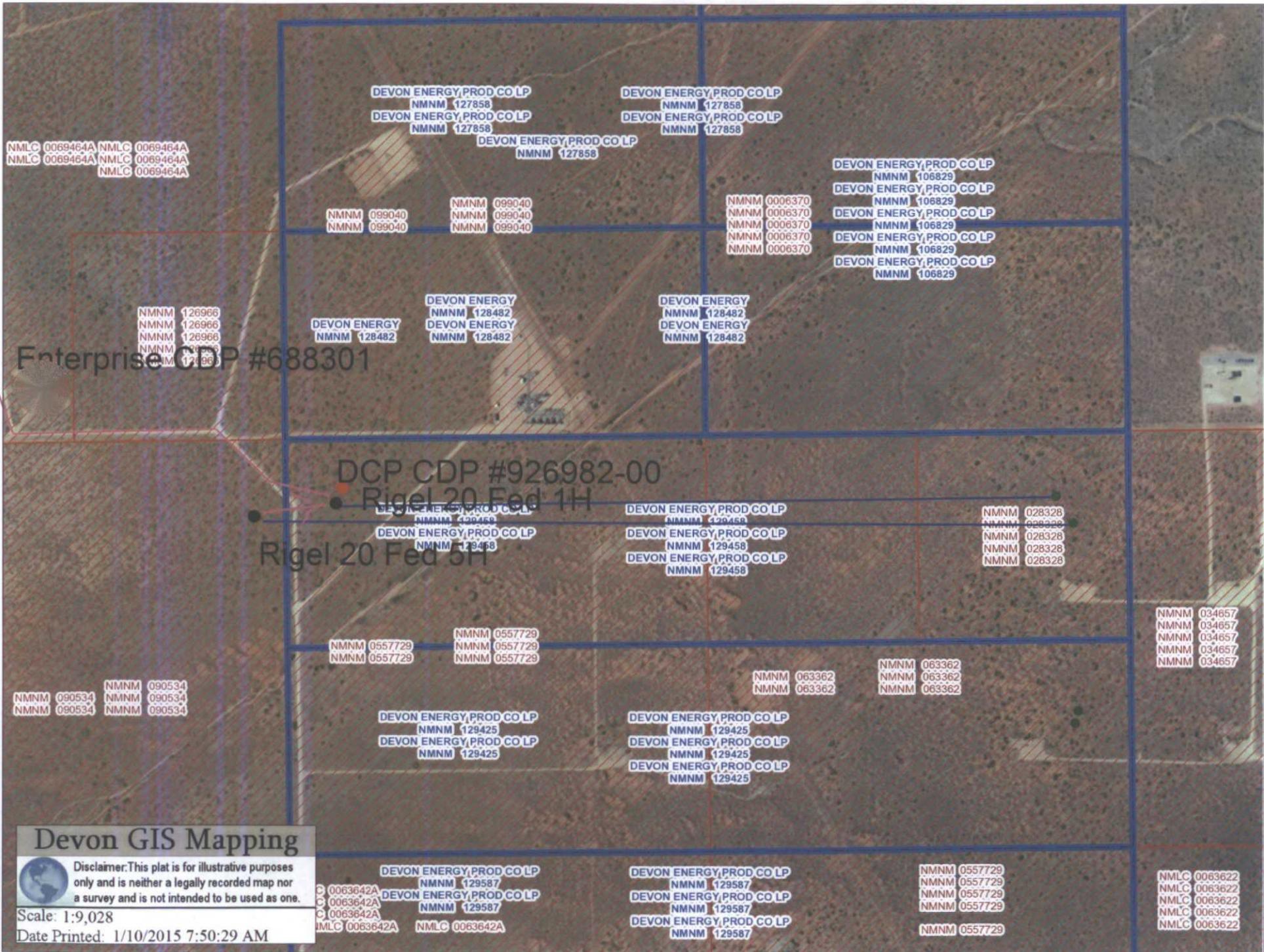
9171999991703448455264

Babe Development Co., Inc.  
P.O. Box 758  
Roswell, New Mexico 88202

9171999991703448455271

Douglas Ladson McBride III  
P.O. Box 1515  
Roswell, New Mexico 88202

9171999991703448455288



NMLC 0069464A NMLC 0069464A  
 NMLC 0069464A NMLC 0069464A  
 NMLC 0069464A

DEVON ENERGY, PROD CO LP  
 NMNM 127858  
 DEVON ENERGY, PROD CO LP  
 NMNM 127858  
 DEVON ENERGY, PROD CO LP  
 NMNM 127858  
 DEVON ENERGY, PROD CO LP  
 NMNM 127858

DEVON ENERGY, PROD CO LP  
 NMNM 106829  
 DEVON ENERGY, PROD CO LP  
 NMNM 106829

NMNM 099040  
 NMNM 099040

NMNM 0006370  
 NMNM 0006370  
 NMNM 0006370  
 NMNM 0006370  
 NMNM 0006370

NMNM 126966  
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 NMNM 126966

DEVON ENERGY  
 NMNM 128482

DEVON ENERGY  
 NMNM 128482  
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 NMNM 128482

DEVON ENERGY  
 NMNM 128482  
 DEVON ENERGY  
 NMNM 128482

Enterprise CDP #688301

DCP CDP #926982-00

Rigel 20 Fed 1H

Rigel 20 Fed 5H

DEVON ENERGY, PROD CO LP  
 NMNM 129458  
 DEVON ENERGY, PROD CO LP  
 NMNM 129458

DEVON ENERGY, PROD CO LP  
 NMNM 129458  
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 NMNM 129458  
 DEVON ENERGY, PROD CO LP  
 NMNM 129458

NMNM 028328  
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NMNM 0557729  
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NMNM 090534  
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NMNM 063362  
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DEVON ENERGY, PROD CO LP  
 NMNM 129425  
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 DEVON ENERGY, PROD CO LP  
 NMNM 129425  
 DEVON ENERGY, PROD CO LP  
 NMNM 129425

**Devon GIS Mapping**



Disclaimer: This plat is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one.

Scale: 1:9,028

Date Printed: 1/10/2015 7:50:29 AM

DEVON ENERGY, PROD CO LP  
 NMNM 129587  
 DEVON ENERGY, PROD CO LP  
 NMNM 129587  
 DEVON ENERGY, PROD CO LP  
 NMNM 129587  
 NMLC 0063642A NMLC 0063642A

DEVON ENERGY, PROD CO LP  
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 DEVON ENERGY, PROD CO LP  
 NMNM 129587

NMNM 0557729  
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NMLC 0063622  
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 NMLC 0063622  
 NMLC 0063622  
 NMLC 0063622



NMLC 0069464A

NMNM 126966

NMNM 099040

NMNM 0006370

Rigel 20 Fed com 1H

Rigel 20 Fed com 5H

NMNM 028328

12,570

NMNM 0557729

12,570

Rigel 20 Fed com 6H

NMNM 063362

5CH-B

NMNM 034657

NMNM 03395

Rigel 20 Fed com 2H

NMNM 090534

020

021

Rigel 20 Fed com 3H

NMLC 0063642A

NMNM 0557729

Rigel 20 Fed com 4H

NMLC 0063622

NMNM 0006814

030

029

028

NMNM 112930

NMNM 112930

NMNM 112930

Rigel 20 Fed Com #1H  
 Sec.20, T19S, R31E  
 425'FSL 330'FWL  
 Eddy County, NM  
 API 30-015-39393

**PROCESS FLOW DIAGRAM**

To Enterprise Sales  
 CDP # 6883001  
 Sec. 18, SWSE, T19S, R31E

EQUIPMENT NOT BEING  
 UTILIZED AT THIS TIME

Production system: closed

All valves will be sealed 30  
 minutes prior to sales

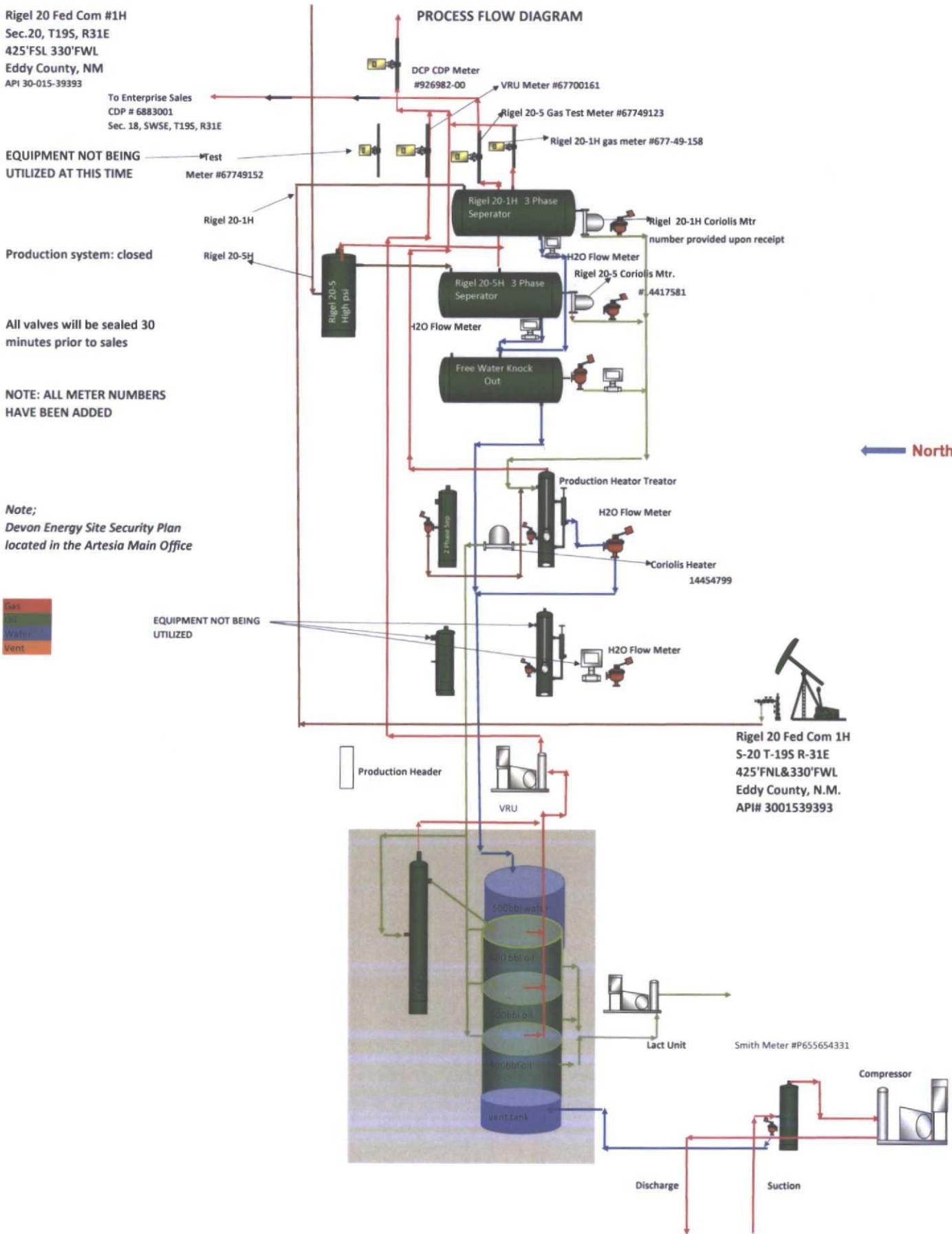
NOTE: ALL METER NUMBERS  
 HAVE BEEN ADDED

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



EQUIPMENT NOT BEING  
 UTILIZED

← North



Rigel 20 Fed Com 1H  
 S-20 T-19S R-31E  
 425'FNL&330'FWL  
 Eddy County, N.M.  
 API# 3001539393

WC Name	Well API	Date	Year	Month	State	Wtr Prod	Oil Prod	Gas Prod
RIGEL 20 FED COM 1H	300153939300	6/30/2014	2014	06	NEW MEXICO	1,324.53	1,108.65	2,103
RIGEL 20 FED COM 1H	300153939300	7/31/2014	2014	07	NEW MEXICO	2,394.45	1,000.67	1,580
RIGEL 20 FED COM 1H	300153939300	8/31/2014	2014	08	NEW MEXICO	3,311.67	2,694.68	1,847
RIGEL 20 FED COM 1H	300153939300	9/30/2014	2014	09	NEW MEXICO	3,296.88	1,835.75	3,002
RIGEL 20 FED COM 1H	300153939300	10/31/2014	2014	10	NEW MEXICO	2,197.30	1,855.73	8,869
RIGEL 20 FED COM 1H	300153939300	11/30/2014	2014	11	NEW MEXICO	2,888.24	1,586.92	10,790
RIGEL 20 FED COM 1H	300153939300	12/31/2014	2014	12	NEW MEXICO	2,537.99	1,678.69	12,667
RIGEL 20 FED COM 1H						17,951.06	11,761.09	40,858
RIGEL 20 FED COM 5H	300154151400	6/30/2014	2014	06	NEW MEXICO	20,839.51	3,585.17	7,131
RIGEL 20 FED COM 5H	300154151400	7/31/2014	2014	07	NEW MEXICO	34,637.75	2,370.05	10,838
RIGEL 20 FED COM 5H	300154151400	8/31/2014	2014	08	NEW MEXICO	29,453.97	3,680.41	13,829
RIGEL 20 FED COM 5H	300154151400	9/30/2014	2014	09	NEW MEXICO	19,462.47	3,241.12	21,379
RIGEL 20 FED COM 5H	300154151400	10/31/2014	2014	10	NEW MEXICO	22,287.29	3,233.43	18,232
RIGEL 20 FED COM 5H	300154151400	11/30/2014	2014	11	NEW MEXICO	17,766.68	2,501.60	14,345
RIGEL 20 FED COM 5H	300154151400	12/31/2014	2014	12	NEW MEXICO	11,019.76	2,260.59	13,436
RIGEL 20 FED COM 5H						155,467.43	20,872.37	99,190

## Additional data for EC transaction #287573 that would not fit on the form

### Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM129458	NMNM28328	RIGEL 20 FEDERAL COM 1H	30-015-39393-00-S1	Sec 20 T19S R31E NWNW 425FNL 330FWL
NMNM129458	NMNM28328	RIGEL 20 FED COM 5H	30-015-41514-00-S1	Sec 19 T19S R31E NENE 480FNL 190FEL 32.651825 N Lat, 103.900633 W Lon

### 32. Additional remarks, continued

Hackberry, BS  
30-015-41514  
NMNM0557729, NMNM63362, NMNM28328, NMNM129458

The central tank battery is located at the Rigel 20 Fed Com 1H battery in Sec. 20, T19S, R31E, in Eddy County, New Mexico. The Rigel 20 Fed Com 1H production will flow through their own three phase separator with a micro motion coriolis meter to meter the oil, flow meter to meter the water, and gas allocation meter to meter the gas. The Rigel 20 Fed Com 5H will flow through a two phase separator, then through a three phase separator, and to the heater/treater with a micro motion coriolis meter to meter the oil, flow meter to meter the water, and gas allocation meter to meter the gas. VRU will be allocated back to each well utilizing a percentage of each wells monthly oil production.

The Rigel 20 Fed Com 1H battery will have 3 oil tanks that both wells will utilize. The Rigel 20 Fed 1H gas production will flow to the DCP CDP #926982-00 which is on location at the Rigel 20 Fed Com 1H battery in Sec. 20, T19S, R31E, on the east side of the facility. The Rigel 20 Fed 5H gas production will flow to Enterprise CDP #6883001 in Sec. 18, SWSE, T19S, R31E. Oil, gas, and water volumes from all three wells producing to this battery will be determined by using a test separator/heater treater at the proposed facility. Oil sold through a common LACT meter using meter #P655654331.

ROW NM-130245 has been granted.

Working, royalty, and overriding interest owners are not identical and have been notified of this proposal via certified mail (see attached)

**Bureau of Land Management  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Rigel 20 Fed Com 1H and 5H, Leases: NM0557729, NM63362, NM28328 CA-NM129458**

**Devon Energy Production Co.**

January 10, 2015

**Condition of Approval**

**Commingling of lease production, variance to use Coriolis meter for oil measurement**

1. This approval is subject to like approval by the New Mexico Oil Conservation Division.
2. This agency shall be notified of any spill or discharge as required by NTL-3A.
3. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
4. This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days, an application for right-of-way approval must be submitted to the Realty Section if not already done.
5. Approval for combining production from various sources is a privilege which is granted to lessees for the purpose of aiding conservation and extending the economic life of leases. Applicants should be cognizant that failure to operate in accordance with the provisions outlined in the Authorized Officer's conditions of approval and/or subsequent stipulations or modifications will subject such approval to revocation.
6. Gas measurement for allocation must be measured as per Onshore Order #5 for sales meters.
7. All gas and oil subject to royalty shall be measured as per federal regulations and shall be reported to ONRR as required. All gas which is vented, flared or used on lease shall be reported as per NTL-4A to ONRR. All gas which is vented or flared shall be subject to royalty, unless prior approval was given by the authorized officer.
8. This agency shall be notified of any change in sales method or location of sales point.
9. Additional wells and/or leases require additional commingling approvals.
10. Notify this office 24 Hrs. prior to any meter proving to allow time for an inspector to witness.
11. Variance to Onshore Order #4 oil measurement to use Coriolis meters is approved with this approval.
12. Need to provide meter numbers upon installation.