

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

5. Lease Serial No.  
NMNM114992

6. If Indian, Allottee or Tribe Name

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
DEVON ENERGY PRODUCTION COMPANY LP (6137)

3a. Address  
333 West Sheridan Avenue Oklahoma City OK

3b. Phone No. (include area code)  
(405)552-6571

8. Lease Name and Well No.  
JAYHAWK 7-6 FED COM 85H (319566)

9. API Well No.  
30-025-43904

10. Field and Pool, or Exploratory  
WC-025 G-09 S253336D / UPPER WOL (98094)

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NENE / 400 FNL / 1110 FEL / LAT 32.0495993 / LONG -103.5040256

At proposed prod. zone NENE / 330 FNL / 1284 FEL / LAT 32.0788226 / LONG -103.5046134

11. Sec., T. R. M. or Blk. and Survey or Area

SEC 18 / T26S / R34E / NMP

14. Distance in miles and direction from nearest town or post office\*

12. County or Parish  
LEA

13. State  
NM

15. Distance from proposed\*  
location to nearest  
property or lease line, ft. 400 feet  
(Also to nearest drig. unit line, if any)

16. No. of acres in lease  
1283.96

17. Spacing Unit dedicated to this well  
320

HOBBS OCD

18. Distance from proposed location\*  
to nearest well, drilling, completed, 490 feet  
applied for, on this lease, ft.

19. Proposed Depth  
22999 MD  
0 feet / 0 feet  
12846 TUD

20. BLM/BIA Bond No. on file  
FED: CO1104

SEP 08 2017

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
3367 feet

22. Approximate date work will start\*  
07/15/2018

23. Estimated duration  
45 days

RECEIVED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification

6. Such other site specific information and/or plans as may be required by the  
BLM.

25. Signature  
(Electronic Submission)

Name (Printed Typed)  
Rebecca Deal / Ph: (405)228-8429

Date  
03/21/2017

Title  
Regulatory Compliance Professional

Approved by (Signature)  
(Electronic Submission)

Name (Printed Typed)  
Cody Layton / Ph: (575)234-5959

Date  
08/31/2017

Title  
Supervisor Multiple Resources

Office  
HOBBS

Application approval 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.  
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

\*(Instructions on page 2)

APPROVED WITH CONDITIONS

Kc  
09/08/17

OCD  
REQUIRES NSL ORDER



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Operator Certification Data Report

09/06/2017

### Operator Certification

*I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.*

**NAME:** Rebecca Deal

**Signed on:** 03/21/2017

**Title:** Regulatory Compliance Professional

**Street Address:** 333 West Sheridan Avenue

**City:** Oklahoma City

**State:** OK

**Zip:** 73102

**Phone:** (405)228-8429

**Email address:** Rebecca.Deal@dvn.com

### Field Representative

**Representative Name:** COLE METCALF

**Street Address:** 6488 SEVEN RIVERS HWY

**City:** ARTESIA

**State:** NM

**Zip:** 88210

**Phone:** (575)748-1872

**Email address:** COLE.METCALF@DVN.COM



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Application Data Report

09/06/2017

**APD ID:** 10400011633

**Submission Date:** 03/21/2017

Highlighted data  
reflects the most  
recent changes

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

[Show Final Text](#)

**Well Type:** OIL WELL

**Well Work Type:** Drill

### Section 1 - General

**APD ID:** 10400011633

**Tie to previous NOS?**

**Submission Date:** 03/21/2017

**BLM Office:** HOBBS

**User:** Rebecca Deal

**Title:** Regulatory Compliance  
Professional

**Federal/Indian APD:** FED

**Is the first lease penetrated for production Federal or Indian?** FED

**Lease number:** NMNM114992

**Lease Acres:** 1283.96

**Surface access agreement in place?**

**Allotted?**

**Reservation:**

**Agreement in place?** NO

**Federal or Indian agreement:**

**Agreement number:**

**Agreement name:**

**Keep application confidential?** NO

**Permitting Agent?** NO

**APD Operator:** DEVON ENERGY PRODUCTION COMPANY LP

**Operator letter of designation:**

### Operator Info

**Operator Organization Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Operator Address:** 333 West Sheridan Avenue

**Zip:** 73102

**Operator PO Box:**

**Operator City:** Oklahoma City

**State:** OK

**Operator Phone:** (405)552-6571

**Operator Internet Address:** aletha.dewbre@dvn.com

### Section 2 - Well Information

**Well in Master Development Plan?** NEW

**Mater Development Plan name:** Rattlesnake 1 MDP

**Well in Master SUPO?** NO

**Master SUPO name:**

**Well in Master Drilling Plan?** NO

**Master Drilling Plan name:**

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Well API Number:**

**Field/Pool or Exploratory?** Field and Pool

**Field Name:** WC-025 G-09  
S253336D

**Pool Name:** UPPER  
WOLFCAMP



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

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**Well Number:** 85H

**Is the proposed well in an area containing other mineral resources?** NATURAL GAS,OIL

**Describe other minerals:**

**Is the proposed well in a Helium production area?** N

**Use Existing Well Pad?** NO

**New surface disturbance?**

**Type of Well Pad:** MULTIPLE WELL

**Multiple Well Pad Name:**  
FIGHTING OKRA/JAYHAWK

**Number:** 84H, 85H, 86H/84H,  
85H, 86H

**Well Class:** HORIZONTAL

**Number of Legs:** 1

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** INFILL

**Describe sub-type:**

**Distance to town:**

**Distance to nearest well:** 490 FT

**Distance to lease line:** 400 FT

**Reservoir well spacing assigned acres Measurement:** 320 Acres

**Well plat:** Jayhawk\_7\_6\_Fed\_Com\_85H\_C\_102\_Signed\_03-21-2017.pdf

**Well work start Date:** 07/15/2018

**Duration:** 45 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:** 4814B

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	400	FNL	111 0	FEL	26S	34E	18	Aliquot NENE	32.04959 93	- 103.5040 256	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	336 7	0	0
KOP Leg #1	139	FNL	128 4	FEL	26S	34E	18	Aliquot NENE	32.04959 93	- 103.5040 256	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	- 897 6	123 58	123 43
PPP Leg #1	330	FSL	128 4	FEL	26S	34E	7	Aliquot SESE	32.04959 93	- 103.5040 256	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114990	- 945 4	131 08	128 21

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FNL	128 4	FEL	26S	34E	6	Aliquot NENE	32.07882 26	- 103.5046 134	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	336 7	0	0
BHL Leg #1	330	FNL	128 4	FEL	26S	34E	6	Aliquot NENE	32.07882 26	- 103.5046 134	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	336 7	0	0



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Drilling Plan Data Report

09/06/2017

APD ID: 10400011633

Submission Date: 03/21/2017

Highlighted data  
reflects the most  
recent changes

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Well Name: JAYHAWK 7-6 FED COM

Well Number: 85H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
17318	UNKNOWN	3361	0	0	OTHER : SURFACE	NONE	No
17348	RUSTLER	2635	726	726	ANHYDRITE	NONE	No
17349	TOP OF SALT	2270	1091	1091	SALT	NONE	No
17350	BASE OF SALT	-1680	5041	5041	SALT	NONE	No
17315	DELAWARE	-1930	5291	5291	SANDSTONE	NATURAL GAS,OIL	No
17376	BRUSHY CANYON LOWER	-6025	9386	9386	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-6205	9566	9566	LIMESTONE	NATURAL GAS,OIL	No
17359	BONE SPRING 1ST	-7135	10496	10496	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-7355	10716	10716	LIMESTONE	NATURAL GAS,OIL	No
17364	BONE SPRING 2ND	-7705	11066	11066	SANDSTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8170	11531	11531	LIMESTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8770	12131	12131	SANDSTONE	NATURAL GAS,OIL	No
17333	WOLFCAMP	-9210	12571	12571	SHALE	NATURAL GAS,OIL	Yes
17333	WOLFCAMP	-9415	12776	12776	SHALE	NATURAL GAS,OIL	Yes

### Section 2 - Blowout Prevention



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Pressure Rating (PSI):** 5M

**Rating Depth:** 12836

**Equipment:** 5M rotating head, mud-gas separator, panic line, and flare will be rigged up prior to drilling out surface casing.

**Requesting Variance?** YES

**Variance request:** A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.

**Testing Procedure:** A multi-bowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Devon proposes using a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. • Wellhead will be installed by wellhead representatives. • If the welding is performed by a third party, the wellhead representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal. • Wellhead representative will install the test plug for the initial BOP test. • Wellhead company will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 3M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time. • If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted. • Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating. • Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2. After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2. After running the 9-5/8" intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the wellhead. The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

**Choke Diagram Attachment:**

Jayhawk 7-6 Fed Com 85H\_5M BOPE CHK\_02-17-2017.pdf

**BOP Diagram Attachment:**

Jayhawk 7-6 Fed Com 85H\_5M BOPE CHK\_02-17-2017.pdf

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**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

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**Choke Diagram Attachment:**

Jayhawk 7-6 Fed Com 85H\_5M BOPE CHK\_02-17-2017.pdf

**BOP Diagram Attachment:**

Jayhawk 7-6 Fed Com 85H\_5M BOPE CHK\_02-17-2017.pdf

### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	775	0	775	-9454	-10229	775	H-40	48	STC	1.59	3.46	BUOY	2.11	BUOY	2.11
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	11600	0	11600	-9454	-21054	11600	P-110	40	OTHER - BTC	1.25	1.59	BUOY	2.58	BUOY	2.58
3	PRODUCTION	8.75	5.5	NEW	API	N	0	22999	0	12836	-9454	-22290	22999	P-110	20	OTHER - BTC	1.27	1.26	BUOY	1.83	BUOY	1.83

**Casing Attachments**



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

#### Casing Attachments

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**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Jayhawk 7-6 Fed Com 85H\_Surf Csg Ass\_02-17-2017.pdf

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**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Jayhawk 7-6 Fed Com 85H\_Int Csg Ass\_02-17-2017.pdf

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**Casing ID:** 3      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Jayhawk 7-6 Fed Com 85H\_Prod Csg Ass\_02-17-2017.pdf

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#### Section 4 - Cement

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	775	605	1.34	14.8	808	50	C	1% Calcium Chloride
INTERMEDIATE	Lead		0	9600	1630	2.31	11.9	3758	30	C	Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sks Poly-E-Flake
INTERMEDIATE	Tail		9600	1160 0	590	1.33	14.8	783	30	C	0.125 lbs/sks Poly-R- Flake
PRODUCTION	Lead		1140 0	1250 0	135	2.31	11.9	305	25	C	Enhancer 923 + 10% BWOC Bentonite + 0.05% BWOC SA-1015 + 0.3% BWOC HR-800 + 0.2% BWOC FE-2 + 0.125 lb/sk Pol-E-Flake + 0.5 lb/sk D-Air 5000
PRODUCTION	Tail		1250 0	2299 9	2485	1.2	14.5	2980	25	H	Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

### Section 5 - Circulating Medium

**Mud System Type:** Closed

**Will an air or gas system be Used?** NO

**Description of the equipment for the circulating system in accordance with Onshore Order #2:**

**Diagram of the equipment for the circulating system in accordance with Onshore Order #2:**

**Describe what will be on location to control well or mitigate other conditions:** Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

**Describe the mud monitoring system utilized:** PVT/Pason/Visual Monitoring

### Circulating Medium Table

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	775	WATER-BASED MUD	8.4	8.5				2			
775	1160 0	OIL-BASED MUD	8.4	9				2			
1160 0	2299 9	OIL-BASED MUD	10.5	11				12			

## Section 6 - Test, Logging, Coring

**List of production tests including testing procedures, equipment and safety measures:**

Will run GRMWD from TD to from KOP. Cement bond logs will be run in vertical to determine top of cement. Stated logs run will be in the Completion Report and submitted to the BLM.

**List of open and cased hole logs run in the well:**

CALIPER,CBL,DS,GR,MUDLOG

**Coring operation description for the well:**

N/A

## Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 7317

**Anticipated Surface Pressure:** 4496.38

**Anticipated Bottom Hole Temperature(F):** 165

**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Jayhawk 7-6 Fed Com 85H\_H2S Plan\_02-21-2017.pdf



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

## Section 8 - Other Information

### Proposed horizontal/directional/multi-lateral plan submission:

Jayhawk 7-6 Fed Com 85H\_Directional Plan\_02-17-2017.pdf

### Other proposed operations facets description:

MULTI-BOWL VERBIAGE  
MULTI-BOWL WELLHEAD  
CLOSED-LOOP DESIGN PLAN  
ANTI-COLLISION PLAN  
DRILLING PLAN  
GCP Form

### Other proposed operations facets attachment:

Jayhawk 7-6 Fed Com 85H\_Clsd Loop\_02-17-2017.pdf  
Jayhawk 7-6 Fed Com 85H\_Anti-Collision Report\_02-17-2017.pdf  
Jayhawk 7-6 Fed Com 85H\_MB Verb\_02-17-2017.pdf  
Jayhawk 7-6 Fed Com 85H\_MB Wellhd\_02-17-2017.pdf  
Jayhawk\_7\_6\_Fed\_Com\_85H\_Drlg\_Doc\_03-21-2017.pdf  
Jayhawk\_7\_6\_Fed\_Com\_85H\_GCP\_Form\_07-05-2017.pdf

### Other Variance attachment:

Jayhawk 7-6 Fed Com 85H\_Co-flex\_02-17-2017.pdf



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BUREAU OF LAND MANAGEMENT

## SUPO Data Report

09/06/2017

**APD ID:** 10400011633

**Submission Date:** 03/21/2017

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**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

[Show Final Text](#)

**Well Type:** OIL WELL

**Well Work Type:** Drill

### Section 1 - Existing Roads

**Will existing roads be used?** YES

**Existing Road Map:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_Access\_Rd\_03-21-2017.pdf

**Existing Road Purpose:** ACCESS,FLUID TRANSPORT

**Row(s) Exist?** NO

#### ROW ID(s)

**ID:**

**Do the existing roads need to be improved?** YES

**Existing Road Improvement Description:** Improve road to accommodate Drilling and Completion operations.

**Existing Road Improvement Attachment:**

### Section 2 - New or Reconstructed Access Roads

**Will new roads be needed?** YES

**New Road Map:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_New\_Access\_Rd\_03-21-2017.pdf

**New road type:** COLLECTOR,RESOURCE

**Length:** 176 Feet

**Width (ft.):** 30

**Max slope (%):** 6

**Max grade (%):** 4

**Army Corp of Engineers (ACOE) permit required?** NO

**ACOE Permit Number(s):**

**New road travel width:** 30

**New road access erosion control:** Water drainage ditch

**New road access plan or profile prepared?** YES

**New road access plan attachment:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_New\_Access\_Rd\_03-21-2017.pdf

**Access road engineering design?** YES

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Access road engineering design attachment:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_New\_Access\_Rd\_03-21-2017.pdf

**Access surfacing type:** GRAVEL

**Access topsoil source:** ONSITE

**Access surfacing type description:**

**Access onsite topsoil source depth:** 6

**Offsite topsoil source description:**

**Onsite topsoil removal process:** See attached Interim reclamation diagram; Interim reclamation will be postponed in accordance to the stipulations within the MDP document.

**Access other construction information:**

**Access miscellaneous information:**

**Number of access turnouts:**

**Access turnout map:**

### Drainage Control

**New road drainage crossing:** OTHER

**Drainage Control comments:** N/A

**Road Drainage Control Structures (DCS) description:** N/A

**Road Drainage Control Structures (DCS) attachment:**

### Access Additional Attachments

**Additional Attachment(s):**

## Section 3 - Location of Existing Wells

**Existing Wells Map?** YES

**Attach Well map:**

Jayhawk 7-6 Fed Com 85H\_One-Mile-Map\_02-17-2017.pdf

**Existing Wells description:**

## Section 4 - Location of Existing and/or Proposed Production Facilities

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Estimated Production Facilities description:**

**Production Facilities description:** RS MDP1 CTB 18-1 - 8 Attachments - Battery Connect Gas & Crude, CTB Plat, Electric Plats (2), Flowline Corridor, MDP Pad, Primary Electric Line

**Production Facilities map:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_BATCON\_CRUDE\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_BATCON\_GAS\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_CTB\_18\_1\_PLAT\_03-21-2017.pdf



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

Jayhawk\_7\_6\_Fed\_Com\_85H\_CTB\_ELE\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_FLOWLINE\_CORRIDOR\_03-21-2017.PDF

Jayhawk\_7\_6\_Fed\_Com\_85H\_MDP1\_PAD\_PLAT\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_PAD\_ELE\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_PRIMARY\_ELE\_03-21-2017.pdf

## Section 5 - Location and Types of Water Supply

### Water Source Table

**Water source use type:** STIMULATION

**Water source type:** RECYCLED

**Describe type:**

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** OTHER

**Source land ownership:** FEDERAL

**Water source transport method:** PIPELINE

**Source transportation land ownership:** FEDERAL

**Water source volume (barrels):** 350000

**Source volume (acre-feet):** 45.112583

**Source volume (gal):** 14700000

**Water source and transportation map:**

Jayhawk 7-6 Fed Com 85H\_Water Map\_02-17-2017.pdf

**Water source comments:** The attached Water Transfer Map is a proposal only and the final route and documentation will be provided by a Devon contractor prior to installation. When available Devon will always follow existing disturbance.

**New water well?** NO

### New Water Well Info

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Casing length (ft.):**

**Casing top depth (ft.):**

**Well Production type:**

**Completion Method:**

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

## **Section 6 - Construction Materials**

**Construction Materials description:** Dirt fill and caliche will be used to construct well pad.

**Construction Materials source location attachment:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_CALICHE\_MAP\_03-21-2017.docx

## **Section 7 - Methods for Handling Waste**

**Waste type:** COMPLETIONS/STIMULATION

**Waste content description:** Flow back water during completion operations.

**Amount of waste:** 3000 barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** N/A

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY

**Disposal location ownership:** COMMERCIAL

**Disposal type description:**

**Disposal location description:** Various disposal locations in Lea and Eddy counties.

**Waste type:** PRODUCED WATER

**Waste content description:** Average produced BWPD over the first year of production.

**Amount of waste:** 1400 barrels

**Waste disposal frequency :** Daily

**Safe containment description:** N/A

**Safe containmant attachment:**

**Waste disposal type:** OFF-LEASE INJECTION

**Disposal location ownership:** STATE

**Disposal type description:**

**Disposal location description:** Produced water will be primarily disposed of at our Rattlesnake 16 SWD. At certain times during the year, some of the water will be recycled and used for drilling/completion operations. This recycle facility is at the same location as the SWD (state).

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Waste type:** DRILLING

**Waste content description:** Water and oil based cuttings

**Amount of waste:** 1600 barrels

**Waste disposal frequency :** Daily

**Safe containment description:** N/A

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

**Disposal type description:**

**Disposal location description:** All cutting will be disposed of at R360, Sundance, or equivalent.

**Waste type:** FLOWBACK

**Waste content description:** Average produced BWPD over the flowback period (first 30 days of production).

**Amount of waste:** 2000 barrels

**Waste disposal frequency :** Daily

**Safe containment description:** N/A

**Safe containmant attachment:**

**Waste disposal type:** OFF-LEASE INJECTION **Disposal location ownership:** STATE

**Disposal type description:**

**Disposal location description:** Produced water during flowback will be disposed of at our Rattlesnake 16 SWD.

### Reserve Pit

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)** **Reserve pit width (ft.)**

**Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)**

**Is at least 50% of the reserve pit in cut?**

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

### Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO

**Description of cuttings location**



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Cuttings area length (ft.)**

**Cuttings area width (ft.)**

**Cuttings area depth (ft.)**

**Cuttings area volume (cu. yd.)**

**Is at least 50% of the cuttings area in cut?**

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

## Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:**

## Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Jayhawk\_7\_6\_Fed\_Com\_85H\_WELLSITE\_LAYOUT\_03-21-2017.pdf

**Comments:**

## Section 10 - Plans for Surface Reclamation

**Type of disturbance:** NEW

**Recontouring attachment:**

**Drainage/Erosion control construction:** N/A

**Drainage/Erosion control reclamation:** N/A

**Wellpad long term disturbance (acres):** 8.061

**Wellpad short term disturbance (acres):** 8.061

**Access road long term disturbance (acres):** 0.121212

**Access road short term disturbance (acres):** 0.121212

**Pipeline long term disturbance (acres):** 0

**Pipeline short term disturbance (acres):** 0

**Other long term disturbance (acres):** 0

**Other short term disturbance (acres):** 0

**Total long term disturbance:** 8.182212

**Total short term disturbance:** 8.182212

**Reconstruction method:** Operator will use Best Management Practices"BMP" to mechanically recontour to obtain the desired outcome.

**Topsoil redistribution:** Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns.

**Soil treatment:** Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns.

**Existing Vegetation at the well pad:** Shinnery, yucca, grasses and mesquite.

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** Shinnery, yucca, grasses and mesquite.

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:** Shinnery, yucca, grasses and mesquite.

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:** Shinnery, yucca, grasses and mesquite.

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

## Seed Management

### Seed Table

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

### Seed Summary

**Total pounds/Acre:**

**Seed Type**

**Pounds/Acre**

**Seed reclamation attachment:**

### Operator Contact/Responsible Official Contact Info

**First Name:** Cole

**Last Name:** Metcalf

**Phone:** (575)748-1872

**Email:** cole.metcalf@dvn.com

**Seedbed prep:**

**Seed BMP:**

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Seed method:**

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** Maintain weeds on an as need basis.

**Weed treatment plan attachment:**

**Monitoring plan description:** Monitor as needed.

**Monitoring plan attachment:**

**Success standards:** N/A

**Pit closure description:** N/A

**Pit closure attachment:**

## Section 11 - Surface Ownership

**Disturbance type:** NEW ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**



**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

**Disturbance type:** PIPELINE

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

## Section 12 - Other Information

**Right of Way needed?** YES

**Use APD as ROW?** YES

**ROW Type(s):** 288100 ROW – O&G Pipeline, 288101 ROW – O&G Facility Sites, 288103 ROW – Salt Water Disposal Pipeline/Facility, Other

## ROW Applications

**SUPO Additional Information:** RS MDP1 CTB 18-1 - 8 Attachments - Battery Connect Gas & Crude, CTB Plat, Electric Plats (2), Flowline Corridor, MDP Pad, Primary Electric Line

**Use a previously conducted onsite?** YES

**Previous Onsite information:** CONDUCTED 11/29/2016

## Other SUPO Attachment

Jayhawk\_7\_6\_Fed\_Com\_85H\_BATCON\_CRUDE\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_BATCON\_GAS\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_CTB\_18\_1\_PLAT\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_CTB\_ELE\_03-21-2017.pdf

**Operator Name:** DEVON ENERGY PRODUCTION COMPANY LP

**Well Name:** JAYHAWK 7-6 FED COM

**Well Number:** 85H

Jayhawk\_7\_6\_Fed\_Com\_85H\_FLOWLINE\_CORRIDOR\_03-21-2017.PDF

Jayhawk\_7\_6\_Fed\_Com\_85H\_MDP1\_PAD\_PLAT\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_PAD\_ELE\_03-21-2017.pdf

Jayhawk\_7\_6\_Fed\_Com\_85H\_PRIMARY\_ELE\_03-21-2017.pdf