Form 3160-3
(March 2012)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM114992

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

8. Lease Name and Well No.
JAYHAWK 7-6 FED 83H (319566)

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

9. API Well No.
30-025-43992

3a. Address
333 West Sheridan Avenue Oklahoma City Ok

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

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 NENW / 330 FNL / 1695 FWL / LAT 32.0497889 / LONG -103.5120654
At proposed prod. zone NENW / 330 FSL / 2188 FWL / LAT 32.0788229 / LONG -103.5104693

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. (Also to nearest drig. unit line, if any)
330 feet

16. No. of acres in lease
1283.96

17. Spacing Unit dedicated to this well
320

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

19. Proposed Depth
12810 feet / 22967 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3362 feet

22. Approximate date work will start*
02/01/2018

23. Estimated duration
45 days

HOBBS OCD
SEP 08 2017
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	Name *(Printed Typed)*	Date
(Electronic Submission)	Rebecca Deal / Ph: (405)228-8429	02/27/2017

Title
Regulatory Compliance Professional

Approved by *(Signature)*	Name *(Printed Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575)234-5959	08/31/2017

Title	Office
Supervisor Multiple Resources	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

KZ 09/08/17

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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:** 02/27/2017

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

AFMSS

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

Application Data Report
09/06/2017

APD ID: 10400011619 **Submission Date:** 02/27/2017

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400011619 **Tie to previous NOS?** **Submission Date:** 02/27/2017

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 **Well Number:** 83H **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

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

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:** 82H, 83H/82H, 83H

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:** 975 FT **Distance to lease line:** 330 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: Jayhawk 7-6 Fed 83H_C-102 Signed_02-17-2017.pdf

Well work start Date: 02/01/2018 **Duration:** 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: 4812A

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	330	FNL	1695	FWL	26S	34E	18	Aliquot NENW	32.0497889	-103.5120654	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114992	3362	0	0
KOP Leg #1	133	FNL	2188	FWL	26S	34E	18	Aliquot NENW	32.0497889	-103.5120654	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114992	-8935	12324	12297
PPP Leg #1	330	FSL	2188	FWL	26S	34E	7	Aliquot SESW	32.0497889	-103.5120654	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114990	-9413	13072	12775

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FSL	2188	FWL	26S	34E	6	Aliquot NENW	32.0788229	-103.5104693	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114990	-9448	22967	12810
BHL Leg #1	330	FSL	2188	FWL	26S	34E	6	Aliquot NENW	32.0788229	-103.5104693	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114990	-9448	22967	12810

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

Drilling Plan Data Report

09/06/2017

APD ID: 10400011619 **Submission Date:** 02/27/2017

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

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	2566	795	795	ANHYDRITE	NONE	No
17349	TOP OF SALT	2211	1150	1150	SALT	NONE	No
17350	BASE OF SALT	-1664	5025	5025	SALT	NONE	No
17315	DELAWARE	-1919	5280	5280	SANDSTONE	NATURAL GAS,OIL	No
17376	BRUSHY CANYON LOWER	-5979	9340	9340	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-6189	9550	9550	LIMESTONE	NATURAL GAS,OIL	No
17359	BONE SPRING 1ST	-7084	10445	10445	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-7314	10675	10675	LIMESTONE	NATURAL GAS,OIL	No
17364	BONE SPRING 2ND	-7679	11040	11040	SANDSTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8139	11500	11500	LIMESTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8759	12120	12120	SANDSTONE	NATURAL GAS,OIL	No
17333	WOLFCAMP	-9194	12555	12555	SHALE	NATURAL GAS,OIL	Yes
17333	WOLFCAMP	-9394	12755	12755	SHALE	NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Pressure Rating (PSI): 5M **Rating Depth:** 12810

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 multibowl 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 83H_5M BOPE CHK_02-17-2017.pdf

BOP Diagram Attachment:

Jayhawk 7-6 Fed 83H_5M BOPE CHK_02-17-2017.pdf

Pressure Rating (PSI): 5M **Rating Depth:** 12810

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Choke Diagram Attachment:

Jayhawk 7-6 Fed 83H_5M BOPE CHK_02-17-2017.pdf

BOP Diagram Attachment:

Jayhawk 7-6 Fed 83H_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	850	0	850	-9448	-10298	850	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	-9448	-21048	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	22967	0	12810	-9448	-22242	22967	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 **Well Number:** 83H

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Jayhawk 7-6 Fed 83H_Surf Csg Ass_02-17-2017.pdf

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Jayhawk 7-6 Fed 83H_Int Csg Ass_02-17-2017.pdf

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Jayhawk 7-6 Fed 83H_Prod Csg Ass_02-17-2017.pdf

Section 4 - Cement

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	850	665	1.34	14.8	886	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	11600	590	1.33	14.8	783	30	C	0.125 lbs/sks Poly-R-Flake
PRODUCTION	Lead		11400	12500	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		12500	22967	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 **Well Number:** 83H

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	850	WATER-BASED MUD	8.4	8.5				2			
850	11600	OIL-BASED MUD	8.4	9				2			
11600	22967	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:** 4498.8

Anticipated Bottom Hole Temperature(F): 165

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Jayhawk 7-6 Fed 83H_H2S Plan_02-17-2017.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Jayhawk 7-6 Fed 83H_Directional Plan_02-17-2017.pdf

Jayhawk 7-6 Fed 83H_Drlg Doc_02-22-2017.pdf

Other proposed operations facets description:

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

Other proposed operations facets attachment:

Jayhawk 7-6 Fed 83H_AC Report_02-17-2017.pdf

Jayhawk 7-6 Fed 83H_Clsd Loop_02-17-2017.pdf

Jayhawk 7-6 Fed 83H_MB Verb_02-17-2017.pdf

Jayhawk 7-6 Fed 83H_MB Wellhd_02-17-2017.pdf

Jayhawk_7_6_Fed_83H_GCP_Form_07-05-2017.pdf

Other Variance attachment:

Jayhawk 7-6 Fed 83H_Co-flex_02-17-2017.pdf

Jayhawk 7-6 Fed 82H_Drlg Doc_02-22-2017.pdf

APD ID: 10400011619 **Submission Date:** 02/27/2017

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Jayhawk 7-6 Fed 83H_Access Rd_02-17-2017.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 83H_New Rd Map_02-22-2017.pdf

New road type: COLLECTOR,RESOURCE

Length: 123 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 83H_New Rd Map_02-22-2017.pdf

Access road engineering design? YES

Access road engineering design attachment:

Jayhawk 7-6 Fed 83H_New Rd Map_02-22-2017.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 83H_1 Mile Radius 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 18-3 – 8 ATTACHMENTS: Plat, Flowline Corridor, Battery Connect Crude & Gas, CTB Electric, Pad Conn Electric, MDP pad plat, Electric Line

Production Facilities map:

Jayhawk 7-6 Fed 83H_Batt Conn_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_Crude Plat_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_CTB Ele_02-22-2017.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Jayhawk 7-6 Fed 83H_Ele Line_02-22-2017.pdf
Jayhawk 7-6 Fed 83H_CTB_02-22-2017.pdf
Jayhawk 7-6 Fed 83H_Ele Pad_02-22-2017.PDF
Jayhawk 7-6 Fed 83H_FL Corridor_02-22-2017.PDF
Jayhawk 7-6 Fed 83H_MDP Pad Plat_02-22-2017.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 83H_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 **Well Number:** 83H

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 83H_CALICHE SOURCE MAP_02-22-2017.pdf

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 **Well Number:** 83H

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 **Well Number:** 83H

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 83H_Well Layout_02-17-2017.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

Jayhawk 7-6 Fed 83H_Interim Recl_02-17-2017.pdf

Drainage/Erosion control construction: N/A

Drainage/Erosion control reclamation: N/A

Wellpad long term disturbance (acres): 8.269 **Wellpad short term disturbance (acres):** 8.269

Access road long term disturbance (acres): 0.0847 **Access road short term disturbance (acres):** 0.0847

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: 8.3537 **Total short term disturbance:** 8.3537

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:

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

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

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:

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 **Well Number:** 83H

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 **Well Number:** 83H

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: The Jayhawk wells are part of the Rattlesnake MDP1. The pads and plats that are associated with the Jayhawk wells are titled Rattlesnake because they are part of the MDP. All attached files refer to the Jayhawk wells that sit on and are associated with Rattlesnake MDP pads and plats. RS MDP1 CTB 18-3 – 8 ATTACHMENTS: Plat, Flowline Corridor, Battery Connect Crude & Gas, CTB Electric, Pad Conn Electric, MDP pad plat, Electric Line

Use a previously conducted onsite? YES

Previous Onsite information: PREVIOUS ONSITE CONDUCTED 11/29/2016

Other SUPO Attachment

Jayhawk 7-6 Fed 83H_Batt Conn_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_CTB Ele_02-22-2017.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: JAYHAWK 7-6 FED **Well Number:** 83H

Jayhawk 7-6 Fed 83H_Ele Pad_02-22-2017.PDF

Jayhawk 7-6 Fed 83H_Crude Plat_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_CTB_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_Ele Line_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_MDP Pad Plat_02-22-2017.pdf

Jayhawk 7-6 Fed 83H_FL Corridor_02-22-2017.PDF