

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	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No. <b>(315891)</b> FIGHTING OKRA 18-19 FED 82H	
9. API Well No. <b>30-025-44093</b>	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory <b>BOBCAT DRAW</b> WC-025-G-09-S2533360 / UPPER WOL
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone	11. Sec., T R. M. or Blk. and Survey or Area <b>(98094)</b> SEC 18 / T26S / R34E / NMP
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP <b>(6137)</b>	12. County or Parish LEA
3a. Address 333 West Sheridan Avenue Oklahoma City Ok	13. State NM
3b. Phone No. (include area code) (405)552-6571	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NENW / 380 FNL / 1665 FWL / LAT 32.0496514 / LONG -103.5121623 At proposed prod. zone LOT 4 / 330 FSL / 1284 FWL / LAT 32.0225649 / LONG -103.5133994	
14. Distance in miles and direction from nearest town or post office*	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 380 feet	16. No. of acres in lease 1283.96
17. Spacing Unit dedicated to this well 323.96	
18. Distance from proposed location* to nearest well, drilling, completed, 995 feet applied for, on this lease, ft.	19. Proposed Depth 12734 feet / 22335 feet
20. BLM/BIA Bond No. on file FED: CO1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3361 feet	22. Approximate date work will start* 02/01/2018
	23. Estimated duration 45 days

24. Attachments

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

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>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).</li> </ol> | <ol style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the BLM.</li> </ol> |
|---|---|

25. Signature (Electronic Submission)	Name (Printed Typed) Rebecca Deal / Ph: (405)228-8429	Date 02/27/2017
Title Regulatory Compliance Professional		
Approved by (Signature) <b>/s/Cody Layton</b>	Name (Printed Typed)	Date <b>SEP 27 2017</b>
Title FIELD MANAGER		
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)

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

## 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

APD ID: 10400011180

Submission Date: 02/27/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: FIGHTING OKRA 18-19 FED

Well Number: 82H

[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	2567	794	794	ANHYDRITE	NONE	No
17349	TOP OF SALT	2212	1149	1149	SALT	NONE	No
17350	BASE OF SALT	-1663	5024	5024	SALT	NONE	No
17315	DELAWARE	-1918	5279	5279	SANDSTONE	NATURAL GAS,OIL	No
17376	BRUSHY CANYON LOWER	-5978	9339	9339	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-6188	9549	9549	LIMESTONE	NATURAL GAS,OIL	No
17359	BONE SPRING 1ST	-7083	10444	10444	SANDSTONE	NATURAL GAS,OIL	No
18614	BONE SPRING LIME	-7313	10674	10674	LIMESTONE	NATURAL GAS,OIL	No
17364	BONE SPRING 2ND	-7678	11039	11039	SANDSTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8138	11499	11499	LIMESTONE	NATURAL GAS,OIL	No
17366	BONE SPRING 3RD	-8758	12119	12119	SANDSTONE	NATURAL GAS,OIL	No
17333	WOLFCAMP	-9188	12549	12549	SHALE	NATURAL GAS,OIL	Yes
17333	WOLFCAMP	-9378	12739	12739	SHALE	NATURAL GAS,OIL	Yes

## Section 2 - Blowout Prevention

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

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

**Rating Depth:** 12754

**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:**

Fighting Okra 18-19 Fed 82H\_5M BOPE CHK\_02-14-2017.pdf

**BOP Diagram Attachment:**

Fighting Okra 18-19 Fed 82H\_5M BOPE CHK\_02-14-2017.pdf

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

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**Choke Diagram Attachment:**

Fighting Okra 18-19 Fed 82H\_5M BOPE CHK\_02-14-2017.pdf

**BOP Diagram Attachment:**

Fighting Okra 18-19 Fed 82H\_5M BOPE CHK\_02-14-2017.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	-9393	-10243	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	-9393	-20993	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	22335	0	12734	-9393	-22127	22335	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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

#### 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):**

Fighting Okra 18-19 Fed 82H\_Surf Csg Ass\_02-14-2017.pdf

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

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

Fighting Okra 18-19 Fed 82H\_Int Csg Ass\_02-14-2017.pdf

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

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

Fighting Okra 18-19 Fed 82H\_ProdCsg Ass\_02-14-2017.pdf

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## Section 4 - Cement

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

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	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	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	2233 5	2733	1.2	14.5	2280	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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

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	1160 0	OIL-BASED MUD	8.4	9				2			
1160 0	2233 5	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.

**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:** 4511.12

**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:**

Fighting Okra 18-19 Fed 82H\_H2S Plan\_02-15-2017.pdf

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

## Section 8 - Other Information

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

Fighting Okra 18-19 Fed 82H\_Directional Plan\_02-15-2017.pdf

Fighting Okra 18-19 Fed 82H\_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

**Other proposed operations facets attachment:**

Fighting Okra 18-19 Fed 82H\_Clsd Loop\_02-15-2017.pdf

Fighting Okra 18-19 Fed 82H\_AC Report\_02-15-2017.pdf

Fighting Okra 18-19 Fed 82H\_MB Verb\_02-15-2017.pdf

Fighting Okra 18-19 Fed 82H\_MB Wellhd\_02-15-2017.pdf

Fighting Okra\_18\_19\_Fed\_82H\_GCP\_Form\_07-07-2017.pdf

**Other Variance attachment:**

Fighting Okra 18-19 Fed 82H\_Co-flex\_02-15-2017.pdf

**APD ID:** 10400011180

**Submission Date:** 02/27/2017

Highlighted data  
reflects the most  
recent changes

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

[Show Final Text](#)

**Well Type:** OIL WELL

**Well Work Type:** Drill

## Section 1 - Existing Roads

**Will existing roads be used?** YES

**Existing Road Map:**

Fighting Okra 18-19 Fed 82H\_ACCESS RD\_02-22-2017.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:**

Fighting Okra 18-19 Fed 82H\_NEW ROAD 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:**

Fighting Okra 18-19 Fed 82H\_NEW ROAD MAP\_02-22-2017.pdf

**Access road engineering design?** YES

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**Access road engineering design attachment:**

Fighting Okra 18-19 Fed 82H\_NEW ROAD 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:**

FIGHTING OKRA 18-19 FED 82H\_1 Mile Radius Map\_02-15-2017.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:**

Fighting Okra 18-19 Fed 82H\_\_BATCONN\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_BATCONN GAS\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_CTb PAD\_02-22-2017.pdf

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

Fighting Okra 18-19 Fed 82H\_ELE LINE\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_ELE\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_ELE PAD\_02-22-2017.PDF

Fighting Okra 18-19 Fed 82H\_FLOWLINE CORRIDOR\_02-22-2017.PDF

Fighting Okra 18-19 Fed 82H\_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:**

Fighting Okra 18-19 Fed 82H\_Water Map\_02-15-2017.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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:**

Fighting Okra 18-19 Fed 82H\_CALICHE 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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:**

Fighting Okra 18-19 Fed 82H\_Well Site Layout\_02-15-2017.pdf

**Comments:**

## Section 10 - Plans for Surface Reclamation

**Type of disturbance:** NEW

**Recontouring attachment:**

Fighting Okra 18-19 Fed 82H\_Interim Recl\_02-15-2017.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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:**

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

**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 18-3 – 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:** ONSITE PREVIOUSLY CONDUCTED 11/29/2016

### Other SUPO Attachment

Fighting Okra 18-19 Fed 82H\_\_BATCONN\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_BATTCONN GAS\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_CTБ PAD\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_ELE LINE\_02-22-2017.pdf

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

**Well Name:** FIGHTING OKRA 18-19 FED

**Well Number:** 82H

Fighting Okra 18-19 Fed 82H\_ELE PAD\_02-22-2017.PDF

Fighting Okra 18-19 Fed 82H\_ELE\_02-22-2017.pdf

Fighting Okra 18-19 Fed 82H\_FLOWLINE CORRIDOR\_02-22-2017.PDF

Fighting Okra 18-19 Fed 82H\_MDP PAD PLAT\_02-22-2017.pdf

## Section 1 - General

Would you like to address long-term produced water disposal? NO

## Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

### Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

### Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Assigned injection well API number?

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Injection well name:

Injection well API number:

### Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

### Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



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

## Bond Information

Federal/Indian APD: FED

BLM Bond number: CO1104

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

APD ID: 10400011180

Submission Date: 02/27/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: FIGHTING OKRA 18-19 FED

Well Number: 82H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

## Section 1 - General

APD ID: 10400011180

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

Master 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: FIGHTING OKRA 18-19 FED

Well Number: 82H

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: FIGHTING OKRA 18-19 FED

Well Number: 82H

Is the proposed well in an area containing other mineral resources? USEABLE WATER

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: 995 FT

Distance to lease line: 380 FT

Reservoir well spacing assigned acres Measurement: 323.96 Acres

Well plat: Fighting Okra 18-19 Fed 82H\_C-102 Signed\_02-14-2017.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: 4805A

	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	380	FNL	166 5	FWL	26S	34E	18	Aliquot NENW	32.04965 14	- 103.5121 623	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	336 1	0	0
KOP Leg #1	928	FNL	150 5	FWL	26S	34E	18	Aliquot NENW	32.04945 9	- 103.5126 79	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	- 891 5	122 76	122 76
PPP Leg #1	928	FNL	128 4	FWL	26S	34E	18	Lot 1	32.04804 5	- 103.5127 27	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	- 939 3	130 62	127 54

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: FIGHTING OKRA 18-19 FED

Well Number: 82H

	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	128 4	FWL	26S	34E	19	Lot 4	32.02256 49	- 103.5133 994	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	- 937 3	223 35	127 34
BHL Leg #1	330	FSL	128 4	FWL	26S	34E	19	Lot 4	32.02256 49	- 103.5133 994	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 114992	- 937 3	223 35	127 34