	HOBBS OCD)	
Form 3160-3 (March 2012) UNITED STATES	AUG 0 3 2017	OMB N	APPROVED o. 1004-0137 fetober 31, 2014
DEPARTMENT OF THE INT BUREAU OF LAND MANAG	FRIOR	5. Lease Serial No. NMLC061873B	
APPLICATION FOR PERMIT TO DR	RECLIVE	6. If Indian, Allotee	or Tribe Name
la. Type of work: DRILL REENTER		7. If Unit or CA Agre	
Ia. Type of work: ✓ DRILL		COTTON DRAW / 8. Lease Name and V	
Ib. Type of Well: Oil Well Gas Well Other	Single Zone Multiple Zone	COTTON DRAW U	NIT 509H
2. Name of Operator DEVON ENERGY PRODUCTION COMPA	6 /	9. API well No.	25-43916
	Phone No. (include area code) 05)552-6571	10. Field and Pool, or E	2532.06M - BS
4. Location of Well (Report location clearly and in accordance with any Sta	te requirements.*)	11. Sec., T. R. M. or Bl	Ik. and Survey or Area
At surface SESE / 540 FSL / 570 FEL / LAT 32.1245605 / L At proposed prod. zone NENE / 330 FNL / 330 FEL / LAT 32.1	A CONTRACTOR OF A CONTRACTOR O	SEC 18 / T25S / R3	32E / NMP
14. Distance in miles and direction from nearest town or post office*		12. County or Parish LEA	13. State NM
logation to nearest 200 feet	No, of acres in lease 17. Space 320	cing Unit dedicated to this w	rell
to nearest well, drilling, completed, 330 feet		M/BIA Bond No. on file CO1104	
,,,,,,,,,	Approximate date work will start* 9/30/2017	23. Estimated duration 35 days	4
	4. Attachments	11.0	
 The following, completed in accordance with the requirements of Onshore O. Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lans SUPO must be filed with the appropriate Forest Service Offree). 	4. Bond to cover the operative litem 20 above).	tions unless covered by an	
25. Signature (Electronic Submission)	Name (Printed/Typed) Linda Good / Ph: (405)552-6558	1	Date 04/17/2017
Title Regulatory Compliance Professional			
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Mustafa Hague / Ph: (575)234-5	910	Date 08/01/2017
Title	Office		
Petroleum Engineer Application approval does not warrant or certify that the applicant holds less conduct operations thereon. Conditions of approval, if any, are attached.	CARLSBAD gal or equitable title to those rights in the s	subject lease which would en	ntitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime States any false, fictitious or fraudulent statements or representations as to an		o make to any department of	r agency of the United
(Continued on page 2)		*(Instr	ructions on page 2)

APPROVED WITH CONDITIONS

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts. ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

(Form 3160-3, page 2)

Additional Operator Remarks

Location of Well

SHL: SESE / 540 FSL / 570 FEL / TWSP: 25S / RANGE: 32E / SECTION: 18 / LAT: 32.1245605 / LONG: -103.7077354 (TVD: 0 feet, MD: 0 feet)
 PPP: SESE / 660 FSL / 441 FEL / TWSP: 25S / RANGE: 32E / SECTION: 7 / LAT: 32.1511788 / LONG: -103.706849 (TVD: 10502 feet, MD: 15687 feet)
 PPP: NENE / 660 FNL / 470 FEL / TWSP: 25S / RANGE: 32E / SECTION: 18 / LAT: 32.1245605 / LONG: -103.7077354 (TVD: 10510 feet, MD: 14367 feet)
 PPP: SESE / 917 FSL / 578 FEL / TWSP: 25S / RANGE: 32E / SECTION: 18 / LAT: 32.1245605 / LONG: -103.7077354 (TVD: 10499 feet, MD: 10661 feet)
 BHL: NENE / 330 FNL / 330 FEL / TWSP: 25S / RANGE: 32E / SECTION: 7 / LAT: 32.1511788 / LONG: -103.706849 (TVD: 10534 feet, MD: 19975 feet)

BLM Point of Contact

Name: Deborah McKinney Title: Legal Instruments Examiner Phone: 5752345931 Email: dmckinne@blm.gov

(Form 3160-3, page 3)

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

(Form 3160-3, page 4)

Well Name: COTTON DRAW UNIT

Well Number: 509H

Casing	Attachme	ents
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Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_SurfCsg_Ass_04-12-2017.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_Int_Csg_Ass_04-12-2017.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_ProdCasing_Ass_04-12-2017.pdf

Page 2 of 5

Well Name: COTTON DRAW UNIT

Well Number: 509H

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

Contingency Plans geohazards attachment:

Hydrogen sulfide drilling operations plan:

CDU_509H_H2S_Plan_04-07-2017.pdf

Proposed horizontal/directional/multi-lateral plan submission:

CDU_509H_Dir_Plan_04-12-2017.pdf

Other Facets:

CDU_509H_MB_Wellhd_04-07-2017.pdf

CDU_509H_Drilling_Plan_04-12-2017.pdf

CDU_509H_Gas_Capture_Plan_07-10-2017.pdf

CDU_509H_Clsd_Loop_07-10-2017.pdf

Other Variances:

CDU_509H_Co_flex_04-07-2017.pdf

Surface Use Plan of Operations

Existing Road Map:

CDU_509H_Ex_Access_Rd_04-07-2017.pdf

New Road Map:

CDU_509H_Access_Rd_04-07-2017.pdf

Attach Well map:

Page 3 of 5

Well Name: COTTON DRAW UNIT

Well Number: 509H

CDU_509H_1Mile_Map_04-07-2017.pdf

Water source and transportation map:

CDU_509H_Wtr_Xfr_Map_04-07-2017.pdf

Construction Materials source location attachment:

CDU_509H_Caliche_Pit_04-07-2017.pdf

Methods for Handling Waste

Waste type: FLOWBACK

Safe containment attachment:

Waste type: DRILLING

Safe containment attachment:

Waste type: COMPLETIONS/STIMULATION

Safe containment attachment:

Waste type: PRODUCED WATER

Safe containment attachment:

Well Site Layout Diagram:

CDU_509H_Rig_Layout_04-07-2017.pdf

Recontouring attachment:

CDU_509H_Reclamation_04-07-2017.pdf

Page 4 of 5

Well Name: COTTON DRAW UNIT

Well Number: 509H

Other SUPO Attachment:

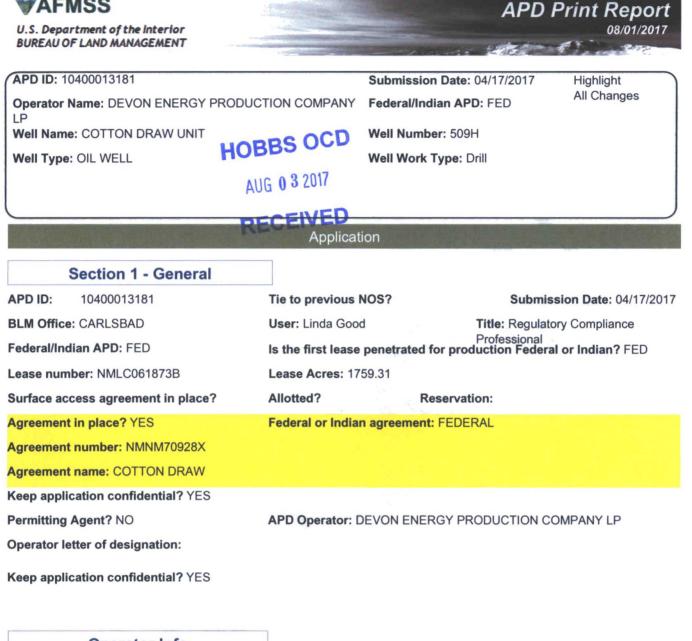
CDU_509H_Electric_1_04-11-2017.pdf CDU_509H_Electric_2_04-11-2017.pdf CDU_509H_Flowline_Coridor_04-17-2017.PDF CDU_509H_Flowline_Plat_04-17-2017.pdf

Produced Water Disposal

Bonds

Page 5 of 5

AFMSS



Zip: 73102

Operator Info

Operator Organization Name: DEVON ENERGY PRODUCTION COMPANY LP

Operator Address: 333 West Sheridan Avenue

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? EXISTING Mater Development Plan name: Cotton Draw 1 MDP Well in Master SUPO? NO Master SUPO name: Well in Master Drilling Plan? NO Master Drilling Plan name:

Operator Name: DEVON ENERGY PRODUCTION									
Well Name: COTTON DRAW UNIT	Well Number: 509H								
Well Name: COTTON DRAW UNIT	Well Number: 509H	Well API Number:							
Field/Pool or Exploratory? Field and Pool	Field Name: PADUCA	Pool Name: BONE SPRING							
Is the proposed well in an area containing other	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:	Number:							
Well Class: HORIZONTAL	COTTON DRAW UNIT Number of Legs: 1	506H/507H/508H/509H							
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: 330 FT Distar	nce to lease line: 290 FT							
Reservoir well spacing assigned acres Measuren	nent: 320 Acres								
Well plat: CDU_509H_C_102_Plats_signed_04-	07-2017.pdf								
Well work start Date: 09/30/2017	Duration: 35 DAYS								

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Survey number: 5173

Aliquot/Lot/Tract -ease Number NS Indicator EW Indicator -ongitude Elevation EW-Foot ease Type Meridian NS-Foot Section -atitude County Range Twsp State DVL MD 32.12456 -LEA NEW NEW SHL 540 FSL Aliquot NMLC0 0 570 FEL 25S 32E 18 IF 340 0 61873B 9 103.7077 MEXI MEXI 05 Leg SESE 354 CO CO #1 KOP FEL LEA 540 FSL 25S 32E Aliquot NEW NEW F 570 18 32.12456 NMLC0 996 996 103.7077 61873B 655 05 MEXI MEXI 1 1 SESE Leg 354 CO CO 2 #1 PPP 917 FSL 578 FEL 25S 32E 18 Aliquot 32.12456 -LEA NEW NEW F NMLC0 106 104 05 103.7077 MEXI MEXI 61873B 709 61 99 Leg SESE 354 CO CO 0 #1

Vertical Datum: NAVD88

Page 2 of 22

	Derator Name: DEVON ENERGY PRODUCTION COMPANY LP ell Name: COTTON DRAW UNIT Well Number: 509H																	
	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
PPP Leg #1	660	FNL	470	FEL	25S	32E	18	Aliquot NENE	32.12456 05	- 103.7077 354	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 61873A	- 710 1	143 67	105 10
PPP Leg #1	660	FSL	441	FEL	258	32E	7	Aliquot SESE	32.15117 88	- 103.7068 49	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 61873	- 709 3	156 87	105 02
EXIT Leg #1	330	FNL	330	FEL	25S	32E	7	Aliquot NENE	32.15117 88	- 103.7068 49	LEA		NEW MEXI CO	F	NMLC0 61863A	- 712 5	199 75	105 34
BHL Leg #1	330	FNL	330	FEL	25S	32E	7	Aliquot NENE	32.15117 88	- 103.7068 49	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 61863A	- 712 5	199 75	105 34

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
17691	UNKNOWN	3404	0	0	ALLUVIUM	NONE	No
17746	RUSTLER	2681	723	723	LIMESTONE	NONE	No
18574	SALADO	2353	1051	1051	SALT	NONE	No
17722	BASE OF SALT	-897	4301	4301	SALT	NONE	No
15315	DELAWARE	-1125	4529	4529	SANDSTONE	NATURAL GAS,OIL	No
17688	BONE SPRING	-5013	8417	8417	LIMESTONE	NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 10534

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below 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. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.

Requesting Variance? YES

Well Name: COTTON DRAW UNIT

Well Number: 509H

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for 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.

Choke Diagram Attachment:

CDU_509H_3M_BOPE_CK_04-12-2017.pdf

BOP Diagram Attachment:

CDU_509H_3M_BOPE_CK_04-12-2017.pdf

Pressure Rating (PSI): 3M

Rating Depth: 4350

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below 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. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for 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.

Choke Diagram Attachment:

CDU_509H_3M_BOPE_CK_04-12-2017.pdf

BOP Diagram Attachment:

CDU_509H_3M_BOPE_CK_04-12-2017.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	ח-אי גר
1	SURFACE	17.5	13.375	NEW	API	N	0	788	0	788	-7125	-7913	788	H-40	48	STC	1.74	2.45	BUOY	4.13	BUOY	4.
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	4350	0	4350	-7125	- 11475	(Concerted	J-55	40	LTC	1.19	1.42	BUOY	3.98	BUOY	3.'
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	19975	0	10534	-7125	- 17520	19975	P- 110	17	BUTT	2.18	2.7	BUOY	3.21	BUOY	3.:

Page 4 of 22

Well Name: COTTON DRAW UNIT

Well Number: 509H

Casing	Attac	hments
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Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_SurfCsg_Ass_04-12-2017.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_Int_Csg_Ass_04-12-2017.pdf

Casing ID: 3 String Type: PRODUCTION Inspection Document:

Spec Document:

Taperd String Spec:

Casing Design Assumptions and Worksheet(s):

CDU_509H_ProdCasing_Ass_04-12-2017.pdf

Section 4 - Cement

Well Name: COT	FON DR	RAW UI	TIN				Well	Numb	er : 50	9H	
String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	788	613	1.34	14.8	821	50	С	1% Calcium Chloride
INTERMEDIATE	Lead		0	3350	737	1.85	12.9	1363	30	С	Poz (Fly Ash): 6% BWOC Bentonite + 5%
INTERMEDIATE	Tail		3350	4350	306	1.33	14.8	407	30	С	BWOW Sodium Chloride + 0.125 lbs/sks Poly-E-Flake
											0.125 lbs/sks Poly-R- Flake
PRODUCTION	Lead		4150	1066 1	629	3.27	9	2057	25	TUNED	N/A
PRODUCTION	Tail		1066 1	1997 5	2460	1.2	14.5	2952	25	Н	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

Circulating Medium Table

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

		and ing include									
Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (Ibs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
788	4350	OTHER : SATURATED BRINE	10	11				2			

Well Name: COTTON DRAW UNIT

Well Number: 509H

-												
	Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (Ibs/cu ft)	Gel Strength (lbs/100 sqft)	НЧ	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
	0	788	OTHER : FRESH WATER GEL	8.5	9				2			
	4350	1997 5	OTHER : CUT BRINE	8.5	9.3				12			

Section 6 - Test, Logging, Coring

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

Will run GR/CNL fromTD to surface (horizontal well – vertical portion of hole). 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:

MWD, MUDLOG

Coring operation description for the well:

N/A

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4658

Anticipated Surface Pressure: 2340.52

Anticipated Bottom Hole Temperature(F): 164

Anticipated abnormal proessures, 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:

CDU_509H_H2S_Plan_04-07-2017.pdf

Well Name: COTTON DRAW UNIT

Well Number: 509H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

CDU_509H_Dir_Plan_04-12-2017.pdf

Other proposed operations facets description:

Multi-Bowl Wellhead Drilling Plan Gas Capture Plan Closed-Loop Design

Other proposed operations facets attachment:

CDU_509H_MB_Wellhd_04-07-2017.pdf CDU_509H_Drilling_Plan_04-12-2017.pdf CDU_509H_Gas_Capture_Plan_07-10-2017.pdf

CDU_509H_Clsd_Loop_07-10-2017.pdf

Other Variance attachment:

CDU_509H_Co_flex_04-07-2017.pdf

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

CDU_509H_Ex_Access_Rd_04-07-2017.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:

Well Name: COTTON DRAW UNIT

Well Number: 509H

Section 2	- New or Recons	tructed Access Roads
Will new roads be nee	ded? YES	
New Road Map:		
CDU_509H_Access_Ro	1_04-07-2017.pdf	
New road type: COLLE	CTOR, RESOURCE	
Length: 1819	Feet	Width (ft.): 30
Max slope (%): 6		Max grade (%): 4
Army Corp of Enginee	rs (ACOE) permit requ	iired? NO
ACOE Permit Number	(s):	
New road travel width:	30	
New road access eros	ion control: Water drai	nage ditch
New road access plan	or profile prepared? N	10
New road access plan	attachment:	
Access road engineer	ng design? NO	
Access road engineer	ring design attachmen	t:
Access surfacing type		
Access topsoil source		
Access surfacing type	description:	
Access onsite topsoil	source depth: 6	
Offsite topsoil source	description:	
Onsite topsoil remova	process: See attached	d Interim reclamation diagram
Access other construct	tion information:	
Access miscellaneous	information:	
Number of access turn	iouts:	Access turnout map:
Drainage (Control	
New road drainage cro	ssing: OTHER	
Drainage Control com	ments: N/A	
Road Drainage Contro	I Structures (DCS) des	scription: N/A
Road Drainage Contro	I Structures (DCS) atta	achment:
Access A	dditional Attachm	nents
Additional Attachment	()	

Additional Attachment(s):

Well Name: COTTON DRAW UNIT

Well Number: 509H

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

CDU_509H_1Mile_Map_04-07-2017.pdf

Existing Wells description:

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

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: All flowlines will be buried going to the Cotton Draw Unit 18-18 CTB 1.

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, TRUCKING	
Source transportation land ownership: FEDERAL	
Water source volume (barrels): 170000	Source volume (acre-feet): 21.911827
Source volume (gal): 7140000	

Water source and transportation map:

CDU_509H_Wtr_Xfr_Map_04-07-2017.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 V	Vell In	fo
--------------------	---------	----

Well latitude:

Well Longitude:

Well datum:

Page 10 of 22

Well Name: COTTON DRAW UNIT

Well Number: 509H

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:
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:

CDU_509H_Caliche_Pit_04-07-2017.pdf

Section 7 - Methods for Handling Waste

Waste type: FLOWBACK

Waste disposal frequency : Daily

 Waste content description: Produced water during flowback operations. This amount is a daily average during flowback (BWPD).

 Amount of waste: 1500
 barrels

 Waste disposal frequency : Daily

 Safe containment description: N/A

 Safe containment attachment:

 Waste disposal type: ON-LEASE INJECTION
 Disposal location ownership: PRIVATE

 Disposal type description:

 Disposal location description: One of three company owned SWD facilities in the area: CDU 181, CDU 89, CDU 84.

 Waste type: DRILLING

 Waste content description: WATER BASED CUTTINGS

 Amount of waste: 1810
 barrels

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Well Name: COTTON DRAW UNIT

Well Number: 509H

Safe containment description: N/A

Safe containmant attachment:

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

Disposal type description:

Disposal location description: ALL CUTTINGS WILL BE DISPOSED OF AT R360, SUNDANCE OR EQUIVALENT.

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 Disposal location ownership: COMMERCIAL

Disposal type description:

FACILITY

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

Waste type: PRODUCED WATER

 Waste content description: Produced water during production operations. This amount is a daily average during the first year of production (BWPD).

 Amount of waste: 1000
 barrels

Allount of waste. 1000 Dalle

Waste disposal frequency : Daily

Safe containment description: N/A

Safe containmant attachment:

Waste disposal type: ON-LEASE INJECTION Disposal location ownership: PRIVATE

Disposal type description:

Disposal location description: One of three company owned SWD facilities in the area: CDU 181, CDU 89, CDU 84.

 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

Well Name: COTTON DRAW UNIT

Well Number: 509H

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

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area volume (cu. yd.)

Cuttings area depth (ft.)

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: CDU_509H_Rig_Layout_04-07-2017.pdf Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

CDU_509H_Reclamation_04-07-2017.pdf

Drainage/Erosion control construction: All areas disturbed shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable **Drainage/Erosion control reclamation:** Topsoils and subsoils 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. The disturbed area then shall be reseeded in the first favorable growing season.

Wellpad long term disturbance (acres): 1.386

Wellpad short term disturbance (acres): 3.381

Access road long term disturbance (acres): 0.291

Access road short term disturbance (acres): 0.291

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Operator Name: DEVON ENERGY PRODUCTION COMP	ANY LP			
Well Name: COTTON DRAW UNIT	Well Number: 509H			
Pipeline long term disturbance (acres): 6.7546787	Pipeline short term disturbance (acres): 6.7546787			
Other long term disturbance (acres): 0	Other short term disturbance (acres): 0			
Total long term disturbance: 8.431679	Total short term disturbance: 10.426679			
Reconstruction method: Operator will use Best Manageme desired outcome. Topsoil redistribution: Topsoils shall be replaced to their or	ent Practices "BMP" to mechanically recontour to obtain the riginal relative positions and contoured so as to achieve erosion			
control, long-term stability and preservation of surface water	flow patterns. lative positions and contoured so as to achieve erosion control,			
Existing Vegetation at the well pad attachment:				
Existing Vegetation Community at the road:				
Existing Vegetation Community at the road attachment:				
Existing Vegetation Community at the pipeline:				
Existing Vegetation Community at the pipeline attachment:				
Existing Vegetation Community at other disturbances:				
Existing Vegetation Community at other disturbances at	tachment:			
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:

Operator Name:	DEVON	ENERGY	PRODUCTION	COMPANY LP
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Well Name: COTTON DRAW UNIT

Well Number: 509H

Seed Type

Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Mark

Phone: (575)746-5559

Last Name: Smith

Email: mark.smith@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: 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:

Well Name: COTTON DRAW UNIT

Well Number: 509H

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Forest/Grassland:

USFS Ranger District:

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 Ranger District:

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:

Operator Name:	DEVON ENERGY	PRODUCTION	COMPANY LP
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Well Name: COTTON DRAW UNIT

Well Number: 509H

State Local Office:	
Military Local Office:	
USFWS Local Office:	
Other Local Office:	
USFS Region:	

USFS Forest/Grassland:

USFS Ranger District:

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:

Right	of	Way	needed?	NO
ROW	Ту	pe(s)	:	

Use APD as ROW?

ROW Applications

Operator Name:	DEVON ENERGY	PRODUCTION	COMPANY LP
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Well Name: COTTON DRAW UNIT

Well Number: 509H

SUPO Additional Information: Flowline Coridor Plats Flowline Plats Electrical Plats

Use a previously conducted onsite? YES

Previous Onsite information: Aug 2016, CDU 18-18, Well Pad 4.

Other SUPO Attachment

CDU_509H_Electric_1_04-11-2017.pdf CDU_509H_Electric_2_04-11-2017.pdf CDU_509H_Flowline_Coridor_04-17-2017.PDF CDU_509H_Flowline_Plat_04-17-2017.pdf

PWD

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:

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:

Decribe precipitated solids disposal:

PWD disturbance (acres):

Well Name: COTTON DRAW UNIT

Well Number: 509H

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: Unlined pit PWD on or off channel: Unlined pit PWD discharge volume (bbl/day): Unlined pit specifications: Precipitated solids disposal: Decribe 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:

PWD disturbance (acres):

Well Name: COTTON DRAW UNIT

Well Number: 509H

PWD disturbance (acres):

Injection well name:

Injection well API number:

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: Injection PWD discharge volume (bbl/day): Injection well mineral owner: Injection well type: 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:

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:

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Well Name: COTTON DRAW UNIT

Well Number: 509H

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:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

PWD disturbance (acres):

Bond Info

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:

Operator Certification

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Well Name: COTTON DRAW UNIT

Well Number: 509H

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: Linda Good		Signed on: 04/17/2017
Title: Regulatory Compliance Profes	ssional	
Street Address: 333 West Sheridar	n Avenue	
City: Oklahoma City	State: OK	Zip: 73102
Phone: (405)552-6558		
Email address: Linda.Good@dvn.c	com	
Field Representative		
Representative Name: Ray Vaz		
Street Address: 6488 Seven Rive	ers Hwy	
City: Artesia	State: NM	Zip: 88210
Phone: (575)748-1871		
Email address: ray.vaz@dvn.cor	n	
	Payment Info	

Payment

APD Fee Payment Method:	PAY.GOV
pay.gov Tracking ID:	261TKF2A

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