API NUMBER: 017 25914 A

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 02/02/2023

Expiration Date: 08/02/2024

Horizontal Hole Oil & Gas

Amend reason: AMEND FORMATION TO WOODFORD

AMEND PERMIT TO DRILL

WELL LOCATION:	Section:	15 Township	: 13N R	ange: 9W	County:	CANADIAN						
SPOT LOCATION:	NE SW	SW SE	FEET FROM QU	ARTER: FROM	SOUTH	FROM EAST						
			SECTION	LINES:	355	2159						
Lease Name:	ED HALEY 15-13	N-9W		Well No	: 4H		Well will be	e 355	feet from	n nearest unit	or lease	boundary.
Operator Name:	DEVON ENERGY	PRODUCTION	CO LP	Telephone	· 40523536	611; 4052353611;			OTO	C/OCC Num	her:	20751 0
				relephone	. 40020000	11, 400200011,				3/000 Num		20701 0
DEVON ENE	RGY PRODUC	CTION CO LF)			MICHAEL AN	D ANN HUFN	AGEL				
333 W SHER	IDAN AVE					PO BOX 82						
OKLAHOMA CITY, OK 73102-5015					OKARCHE			ОК	73762			
	···,	O.C				OKAKONE			OK	13102		
						•						
Formation(s)	(Permit Valid	for Listed Fo	rmations Onl	y):								
Name		Cod	e	Depth								
1 WOODFOR	D	319\	VDFD	11924								
Spacing Orders:	574871			Location Exce	ption Order	s: 730310		Inc	reased De	nsity Orders:	72922	9
Danding CD Numb	No Don		•	Marking in		ro' notified: ***			Sp	ecial Orders:	No S	Special
Pending CD Number	ers: No Pen	aing		vvorking in	terest owne	rs' notified:			·			op colai
Total Depth: 1	16355 G	round Elevation:	1403	Curtono	O!	4500	Dont	h to base o	f Treatable	e Water-Bearin	g FM: 1	160
		Touria Elovation.	1403	Surrace	Casing:	1500	Бері	10 5000 0				
		iouna zioranom	1403	Surface	Casing:	1500	Бері				has b	een approved
Under	Federal Jurisdiction		1403	Surface	Casing:			D	eep surf		has b	een approved
	Federal Jurisdiction	n: No	1400	Surface	Casing:	Approved Method	for disposal of Dr	Dilling Fluid	eep surf	ace casing		een approved
Fresh Water		n: No d: No	1400	Surface	Casing:		for disposal of Dr	Dilling Fluid	eep surf	ace casing		•
Fresh Water	r Supply Well Drilled	n: No d: No	1403	Surface	Casing:	Approved Method D. One time land a	for disposal of Dr	Dilling Fluid	eep surf	ace casing		•
Fresh Water Surface	r Supply Well Drilled e Water used to Dril	n: No d: No l: Yes			Casing:	Approved Method D. One time land a H. (Other)	for disposal of Dr oplication (REQU	Dilling Fluid	eep surf	ace casing		•
Fresh Water Surface PIT 1 INFOR Type of	r Supply Well Drilled e Water used to Dril MATION Pit System: CLOS	n: No d: No l: Yes ED Closed Syst			Casing:	Approved Method D. One time land all H. (Other) Categorium	for disposal of Dr oplication (REQU gory of Pit: C d for Category: C	Distribution Distr	eep surf	ace casing		•
Fresh Water Surface PIT 1 INFOR Type of M	r Supply Well Drilled e Water used to Dril MATION Pit System: CLOS lud System: WATE	n: No d: No l: Yes ED Closed Syst			Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80	r Supply Well Drilled e Water used to Dril MATION Pit System: CLOS lud System: WATE 000 Average: 5000	n: No d: No l: Yes ED Closed Syst	em Means Steel I	Pits	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU gory of Pit: C d for Category: C	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80	r Supply Well Drilled e Water used to Dril MATION Pit System: CLOS lud System: WATE 000 Average: 5000 top of ground water	n: No d: No l: Yes EED Closed Syst ER BASED	em Means Steel I	Pits	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80	mATION Pit System: CLOS lud System: WATE 000 Average: 5000 top of ground water mile of municipal water	n: No d: No l: Yes SED Closed Syster BASED or greater than 10ft	em Means Steel I	Pits	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 I	r Supply Well Drilled e Water used to Dril MATION Pit System: CLOS lud System: WATE 000 Average: 5000 top of ground water mile of municipal wa Wellhead Protection	n: No d: No l: Yes SED Closed Syster BASED r greater than 10ft ater well? No	em Means Steel I	Pits	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 I	mATION Pit System: CLOS lud System: WATE 000 Average: 5000 top of ground water mile of municipal water	n: No d: No l: Yes SED Closed Syster BASED r greater than 10ft ater well? No	em Means Steel I	Pits	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 I	mATION Pit System: CLOS lud System: WATE 000 Average: 5000 top of ground water mile of municipal wa Wellhead Protectio	n: No d: No l: Yes SED Closed Syster BASED r greater than 10ft ater well? No	em Means Steel I	Pits	Casing:	Approved Method D. One time land a H. (Other) Categ Liner not required Pit Location F	for disposal of Dr oplication (REQU pory of Pit: C d for Category: C ocation is: NON	Dilling Fluid	eep surf	ace casing		•
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PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 II Pit is not Ic PIT 2 INFOR Type of M Chlorides Max: 30 Is depth to	mATION Pit System: CLOS dud System: WATE 000 Average: 5000 top of ground water mile of municipal wa Wellhead Protection cated in a Hydrolog MATION Pit System: CLOS dud System: OIL B. 000000 Average: 200	n: No d: No d: No d: No d: Yes EED Closed Syst ER BASED r greater than 10ft ater well? N on Area? N gically Sensitive A EED Closed Syst ASED D0000 r greater than 10ft	em Means Steel I below base of pit rea. em Means Steel I	Pits 1? Y	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required Pit Lo Pit Location F	for disposal of Dr oplication (REQU gory of Pit: C obtain is: NON formation: DOG gory of Pit: C obtain is: NON	Dilling Fluid BIRES PER SEE ME HSA CREEK	eep surf	ace casing		•
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 II Pit is not Ic PIT 2 INFOR Type of M Chlorides Max: 30 Is depth to	mATION Pit System: CLOS dud System: WATE 000 Average: 5000 top of ground water mile of municipal wa Wellhead Protectio ccated in a Hydrolog MATION Pit System: CLOS dud System: OIL B 00000 Average: 200 top of ground water	n: No d: No l: Yes EED Closed Syst ER BASED r greater than 10ft ater well? N on Area? N gically Sensitive A EED Closed Syst ASED 0000 r greater than 10ft ater well? N	em Means Steel I below base of pit rea. em Means Steel I	Pits 1? Y	Casing:	Approved Method D. One time land ap H. (Other) Categ Liner not required Pit Lo Pit Location F	for disposal of Dr oplication (REQU gory of Pit: C obtain is: NON formation: DOG gory of Pit: C obtain is: NON	Dilling Fluid BIRES PER SEE ME HSA CREEK	eep surf	ace casing		•

HORIZONTAL HOLE 1

Section: 15 Township: 13N Range: 9W Meridian: IM Total Length: 5065

County: CANADIAN Measured Total Depth: 16355

Spot Location of End Point: NW NW NE NE True Vertical Depth: 12000

Feet From: NORTH 1/4 Section Line: 50 End Point Location from
Feet From: EAST 1/4 Section Line: 1310 Lease, Unit, or Property Line: 50

Additional Surface Owner(s)	Address	City, State, Zip
THOMAS HUFNAGEL	PO BOX 692	OKARCHE, OK 73762

NOTES:	
Category	Description
DEEP SURFACE CASING	[1/30/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[1/30/2023 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 729229	[3/9/2023 - G56] - 15-13N-9W X574871 WDFD 4 WELLS DEVON ENERGY PROD CO, LP 10/17/2022
LOCATION EXCEPTION - 730310	[3/9/2023 - G56] - (I.O.) 15-13N-9W X574871 WDFD COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 990' FEL DEVON ENERGY PROD CO, LP 12/5/2022
МЕМО	[1/30/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 574871	[3/9/2023 - G56] - (640) 15-13N-9W EXT 567955 WDFD, OTHER