API NUMBER: 003 23095 Α

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

Approval Date: 11/06/2014 05/06/2015 Expiration Date:

Amend reason: CORRECTION OF LAT 1 BHL & UPDATE ORDER

## **AMEND PERMIT TO DRILL**

WELL LOCATION:	Section:	21	Township:	 : 27N	Rang	e: 10W	County:	ALFAL	FA							
SPOT LOCATION:	SW	SE	SW	FEETI	FROM QUARTE	R: FROM	SOUTH	FROM	WEST							
					SECTION LINE	S:	200		1440							
Lease Name:	GHC 2710					Well No	: 1-28H			w	ell will be	200	feet from	nearest uni	t or leas	e boundary.
Operator Name:	SANDRIDGE E	EXPLORA	ATION & PF	RODUCTI	ION	Telephone	e: 4052092	407					ОТО	C/OCC Nun	nber:	22281 0
SANDRIDGE EXPLORATION & PRODUCTION LLC							] [	CHARLES	BROWNS	ON						
1 E SHERIDAN AVE #500							3	309 ASPE	EN COUR	Γ						
OKLAHOMA CITY, OK 73104-2496							$\ \cdot\ _{\cdot}$	JOLIET				IL	60431			
	,							$  \   \  $	,02.2.					00-10-1		
								]								<u>,</u>
<b>F</b> ('(-)	(D'() \ / -	' -l	ta cast East		- 0-1-1											
Formation(s)	(Permit Val	id for L			s Only):			1								
Name			Code			Depth										
1 MISSISSIPP	PIAN		359N	ISSP		5210										
Spacing Orders:	627407				Loc	ation Exce	eption Order	s: 6	44411			Inc	creased De	nsity Orders:	No	Density
Pending CD Numbers: No Pending Working interest owners							ers' noti	notified: *** Special Orders: No Speci					Special			
Total Depth: 11200 Ground Elevation: 1151 Surface Casing						Casing:	<b>1500</b> Depth to base of Treatable Water-Bearing FM: 320									
												D	eep surf	ace casin	g has I	been approved
Under Federal Jurisdiction: No						Α	Approved Method for disposal of Drilling Fluids:									
Fresh Water Supply Well Drilled: No							D	D. One time land application (REQUIRES PERMIT) PERMIT NO: 14-28751								
Surface Water used to Drill: Yes						E	E. Haul to Commercial pit facility Sec. 15 Twn. 24N Rng. 7W Cnty. 47 (					y. 47 Orc	der No: 623842			
								Н	. (Other)			CLOSE REQUE		1=STEEL PIT	S PER C	PERATOR
PIT 1 INFOR	MATION								C	ategory of Pi	t: C					
Type of Pit System: CLOSED Closed System Means Steel Pits							L	Liner not required for Category: C								
Type of Mud System: WATER BASED							Pit Location is: ALLUVIAL									
Chlorides Max: 10000 Average: 5000							Pit Location Formation: ALLUVIUM									
Is depth to	top of ground wa	ter greate	er than 10ft	below bas	se of pit?	Υ										
Within 1 mile of municipal water well? N																
	Wellhead Prote	ction Area	a? N													
Pit <u>is</u> lo	ocated in a Hydro	logically	Sensitive A	rea.												

HORIZONTAL HOLE 1

Section: 28 Township: 27N Range: 10W Meridian: IM Total Length: 3805

County: ALFALFA Measured Total Depth: 10592

Spot Location of End Point: SW SE SW SW True Vertical Depth: 5348

Feet From: SOUTH

1/4 Section Line: 201

End Point Location from
Lease,Unit, or Property Line: 201

HORIZONTAL HOLE 2

Section: 28 Township: 27N Range: 10W Meridian: IM Total Length: 4454

County: ALFALFA Measured Total Depth: 10509

Spot Location of End Point: SW SE SE SW True Vertical Depth: 5326

Feet From: SOUTH

1/4 Section Line: 200

End Point Location from
Lease, Unit, or Property Line: 200

Feet From: WEST

1/4 Section Line: 2071

End Point Location from Lease, Unit, or Property Line: 200

NOTES:						
Category	Description					
DEEP SURFACE CASING	10/27/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING					
HYDRAULIC FRACTURING	[11/9/2021 - 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 PRODUCIN 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; 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					
LOCATION EXCEPTION - 644411	2/9/2022 - GC2 - (F.O.)(IRR UNIT) N2, SW4, W2 SE4, & SE4 SE4 28-27N-10W X627407 MSSP SHL 176' FSL, 1439' FWL 21-27N-10W COMPL. INT. (LAT 1) 564' FNL, 1370' FWL, 201' FSL, 684' FWL COMPL. INT. (LAT 2) 422' FNL, 1388' FWL, 200' FSL, 2071' FWL SANDRIDGE EXPLOR. & PROD., LLC 8-24-2015					
SPACING - 627407	11/5/2014 - G75 - (600)(HOR)(IRR UNIT) 28-27N-10W LESS NE4 SE4 EST MSSP COMPL. INT. NLT 660' FB					