PI NUMBER: 093 251 prizontal Hole Oil &	113 & Gas	OIL & GAS OKLAHC	CORPORATION CONSERVATION P.O. BOX 5200 MA CITY, OK 7 (Rule 165:10-3-	ON DIVISION 0 3152-2000 1)	N	Approval Date Expiration Dat	
		ļ	PERMIT TO DR	<u>LL</u>			
	28 Twp: 20N Rge: 15W			AST			
		ECTION LINES:		640			
Lease Name: CHARLEST	ON 2015	Well No:	2-33H		Well will be	225 feet from nea	arest unit or lease boundary.
Operator SANDRI Name:	DGE EXPLORATION & PROD	UCTION LLC	Telephone: 4054	295610		OTC/OCC Number	: 22281 0
123 ROBERT S KE	LORATION & PRODUC ERR AVE STE 1702			JAMES & D 9764 HWY.		CAMPBELL	
OKLAHOMA CITY	, OK 73	3102-6406		FAIRVIEW		OK	73737
1 MISS'AN LM 2 3 4 5 Spacing Orders: ¹²⁵⁴²³		9290 Location Exception C	6 7 8 9 10		Inc	reased Density Order	
	707684		JIGEIS.			ecial Orders:	»
-	Ground Elevation: 1695	Surface C	asing: 1500				ater-Bearing FM: 370
Under Federal Jurisdiction:	No	Fresh Water S	Supply Well Drilled:	No		Surface Wate	er used to Drill: Yes
	D Closed System Means Stee	I Pits	Аррго	oved Method for dis	posal of Drilling	Fluids:	
Type of Mud System: WAT Chlorides Max: 10000 Avera Is depth to top of ground wate Within 1 mile of municipal wa Wellhead Protection Area?	ge: 5000 er greater than 10ft below base o	of pit? Y		aul to Commercial EE MEMO	pit facility: Sec.	33 Twn. 26N Rng. 15	N Cnty. 151 Order No: 627651
	rologically Sensitive Area.						
Category of Pit: C Liner not required for Categ Pit Location is AP/TE DEF Pit Location Formation: T							

PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED Chlorides Max: 300000 Average: 200000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C

Pit Location is AP/TE DEPOSIT Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec	33	Twp	20N	Rge	15	W	Coun	ty	DEWEY
Spot	Locatior	n of En	d Poin	t: S\	N	SE	SV	V	SE
Feet	From:	SOL	JTH	1/4 Se	ctior	ו Lin	e:	150	C
Feet	From:	EAS	т	1/4 Se	ctior	n Lin	e:	190	00
Depth of Deviation: 9033									
Radius of Turn: 750									
Direction: 185									
Total Length: 4312									
Measured Total Depth: 14523									
True Vertical Depth: 9411									
End Point Location from Lease,									
Unit, or Property Line: 150									

Notes:	
Category	Description
DEEP SURFACE CASING	12/14/2017 - 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	12/14/2017 - G71 - OCC 165:10-3-10 REQUIRES:
	1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;
	2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
INTERMEDIATE CASING	12/14/2017 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER- PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	12/14/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run. 093 25113 CHARLESTON 2015 2-33H

Category	Description
PENDING CD - 201707683	12/20/2017 - G75 - 33-20N-15W X125423 MPLM 3 WELLS NO OP. NAMED REC 12-11-2017 (THOMAS)
PENDING CD - 201707684	12/20/2017 - G75 - (I.O.) 33-20N-15W X125423 MPLM COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL NO OP. NAMED REC 12-11-2017 (THOMAS)
SPACING - 125423	12/20/2017 - G75 - (640) 33-20N-15W EXT OTHER EXT 78076/120278 MPLM, OTHERS

