PI NUMBER: 093	25157 Oil & Gas	OIL & GA	CORPORATION C S CONSERVATION P.O. BOX 52000 OMA CITY, OK 731 (Rule 165:10-3-1)	DIVISION	Approval Date: 08/30/2018 Expiration Date: 02/28/2019	
			PERMIT TO DRILL			
WELL LOCATION: Sec	:: 04 Twp: 21N Rge:	12W County: MAJ	OR			
SPOT LOCATION: SW	/ SW SE SE	FEET FROM QUARTER: FROM	SOUTH FROM EAS	r		
		SECTION LINES:	235 1040			
Lease Name: CRAI	N 2112	Well No:	1-9H	Well will be	235 feet from nearest unit or lease bour	idary.
Operator SA Name:	ANDRIDGE EXPLORATION 8	PRODUCTION LLC	Telephone: 4054295	610	OTC/OCC Number: 22281 0	
	EXPLORATION & PRO			FRENT W. MARTEN	5	
			:	253054 E. COUNTY I	TY RD 49	
OKLAHOMA (CITY, OK	73102-6406		AIRVIEW	OK 73737	
3 4 5 Spacing Orders:		Location Exception	8 9 10 Orders:		ncreased Density Orders:	
No s	Spacing					-
Pending CD Numbers:	201805142 201805143			s	pecial Orders:	
		· 1283 Surface	Casing: 1500	Depth	to base of Treatable Water-Bearing FM: 350	
Total Depth: 12382	Ground Elevation	Junace	g	Depti		
Total Depth: 12382 Under Federal Jurisd			r Supply Well Drilled: No	Dopu	Surface Water used to Drill: Yes	
			r Supply Well Drilled: No	Method for disposal of Drilli	Surface Water used to Drill: Yes	
Under Federal Jurisd	iction: No CLOSED Closed System Mea WATER BASED	Fresh Wate	r Supply Well Drilled: No Approvec	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: C Type of Mud System: Chlorides Max: 10000	iction: No CLOSED Closed System Mea WATER BASED	Fresh Wate	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: C Type of Mud System: Chlorides Max: 10000 Is depth to top of groun Within 1 mile of municip	iction: No CLOSED Closed System Mea WATER BASED Average: 5000 Id water greater than 10ft belo pal water well? N	Fresh Wate	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: C Type of Mud System: Chlorides Max: 10000 Is depth to top of groun Within 1 mile of municij Wellhead Protection Ar	iction: No CLOSED Closed System Mea WATER BASED Average: 5000 Id water greater than 10ft belo pal water well? N ea? N	Fresh Wate ans Steel Pits w base of pit? Y	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: Chorides Max: 10000 Is depth to top of groun Within 1 mile of municip Wellhead Protection Ar Pit is not located in	iction: No CLOSED Closed System Mea WATER BASED Average: 5000 Id water greater than 10ft belo pal water well? N	Fresh Wate ans Steel Pits w base of pit? Y	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: C Type of Mud System: Chlorides Max: 10000 Is depth to top of groun Within 1 mile of municij Wellhead Protection Ar Pit is not located in Category of Pit: C	iction: No CLOSED Closed System Mea WATER BASED Average: 5000 d water greater than 10ft belo bal water well? N ea? N a Hydrologically Sensitive Are	Fresh Wate ans Steel Pits w base of pit? Y	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	8-3499
Under Federal Jurisd PIT 1 INFORMATION Type of Pit System: Chorides Max: 10000 Is depth to top of groun Within 1 mile of municip Wellhead Protection Ar Pit is not located in	iction: No CLOSED Closed System Mea WATER BASED Average: 5000 Id water greater than 10ft belo bal water greater than 10ft belo bal water well? N ea? N a Hydrologically Sensitive Are Category: C	Fresh Wate ans Steel Pits w base of pit? Y	r Supply Well Drilled: No Approved D. One t	Method for disposal of Drilli ime land application (REQ	Surface Water used to Drill: Yes	3-3499

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 not located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C

Pit Location is NON HSA
Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 09 Twp 21N Rge 12W County MAJOR Spot Location of End Point: SW SE SE SE Feet From: SOUTH 1/4 Section Line: 150 Feet From: EAST 1/4 Section Line: 430 Depth of Deviation: 6831 Radius of Turn: 382 Direction: 175 Total Length: 4950 Measured Total Depth: 12382 True Vertical Depth: 7464 End Point Location from Lease, Unit, or Property Line: 150

Notes:	
Category	Description
DEEP SURFACE CASING	7/31/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	7/31/2018 - 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
MEMO	7/31/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201805142	8/8/2018 - G57 - (640) 9-21N-12W VAC 105910/150056/139575 CSTR, MNNG, MRMC, OSGE EST MSSP REC 8-27-2018 (MILLER)

PENDING CD - 201805143

Description

8/8/2018 - G57 - (I.O.) 9-21N-12W X201805142 MSSP COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED REC 8-27-2018 (MILLER)

