API NUMBER: 08 Horizontal Hole	0il & Gas	A	OIL & GAS	CORPORATION S CONSERVATIO P.O. BOX 52000 OMA CITY, OK 7: (Rule 165:10-3-1	N DIVISION) 3152-2000	Approval Date: Expiration Date	06/11/2018 : 12/11/2018
Amend reason: ADDING FC	ORMATION		AM	END PERMIT TO	DRILL		
WELL LOCATION: SA	IE NW [County: MCCI	NORTH FROM EA			
Lease Name: LOE Operator E	DI ECHO E & P LLC		Well No:	7-5H Telephone: 4057		will be 165 feet from nea OTC/OCC Number:	rest unit or lease boundary.
Nam 1 MIS 2 WOO 3 4	PRESSWAY CITY, (Permit Valid		112-1400 ions Only): Depth 10400 10822	6 7 8 9	KLAASEN CATT 21686 SH 76 BLANCHARD	TLE COMPANY LLC OK De	73010
5 Spacing Orders: 67	1562		Location Exception	10 Orders: 678620		Increased Density Orders	: 676024 678138
Pending CD Numbers:	:					Special Orders:	
Total Depth: 1632	0 Grc	ound Elevation: 1265	Surface	Casing: 1000		Depth to base of Treatable Wa	ter-Bearing FM: 290
Under Federal Juris	sdiction: No		Fresh Water	Supply Well Drilled:	٩o	Surface Wate	r used to Drill: No
PIT 1 INFORMATION Type of Pit System: Type of Mud System: Chlorides Max: 5000	CLOSED Close WATER BASE	ed System Means Steel D	Pits	D. Or	ved Method for disposal ne time land application - EE MEMO	-	PERMIT NO: 18-34575
Within 1 mile of munic Wellhead Protection	cipal water well? Area? N in a Hydrologically C or Category: C TTE DEPOSIT	/ Sensitive Area.	f pit? Y				

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	05	Twp	6N	Rge	4W	C	ounty	MCCLAIN	
Spot	Locatior	n of En	d Point:	SE	E S	E	SW	SE	
Feet	From:	SOL	JTH 1	/4 Sec	ction L	ine:	16	5	
Feet	From:	EAS	5 T 1	/4 Sec	ction L	ine:	14	85	
Depth of Deviation: 10500									
Radius of Turn: 823									
Direction: 185									
Total Length: 4527									
Measured Total Depth: 16320									
True Vertical Depth: 10822									
End Point Location from Lease,									
Unit, or Property Line: 165									

Notes:	
Category	Description
DEEP SURFACE CASING	6/1/2018 - 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	6/1/2018 - 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
INCREASED DENSITY - 676024	6/1/2018 - G58 - 5-6N-4W X671652 WDFD 2 WELLS ECHO E&P, LLC 4/10/2018
INCREASED DENSITY - 678138	9/11/2018 - G58 - 5-6N-4W X671562 MSSP 2 WELLS ECHO E&P, LLC 5/22/2018

Category	Description
LOCATION EXCEPTION - 678620	9/11/2018 - G58 - (I.O.) 5-6N-4W X671652 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL ECHO E&P, LLC 6/1/2018
MEMO	6/1/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 671652	6/1/2018 - G58 - (640)(HOR) 5-6N-4W VAC OTHER EXT 652240 WDFD, OTHER COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL