PI NUMBER: 011 24099 A	OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)			10/10/2018 04/10/2020	
end reason: SHL CHANGE	AMEND PERMIT TO DRILL				
WELL LOCATION: Sec: 29 Twp: 15N Rge: 10W	County: BLAINE				
SPOT LOCATION: SE NW NW NW F	EET FROM QUARTER: FROM NORT	H FROM WEST 470			
Lease Name: HAMMERHEAD 20-15N-10W	Well No: 3MH		Well will be 310 feet from nearest	unit or lease boundary.	
Operator PALOMA OPERATING CO INC Name:	Te	lephone: 7136508509	OTC/OCC Number:	23932 0	
PALOMA OPERATING CO INC		GEORGE	SCHULTE AND THERESA SCH	ULTE	
1100 LOUISIANA ST STE 5100	7000 5000	PO BOX :	543		
HOUSTON, TX 7	7002-5220	OKARCH	E OK 73	762	
3 4 5 Spacing Orders: 648300 660911	Location Exception Orders	8 9 10	Increased Density Orders:	684007	
Pending CD Numbers: 201806952 201805847			Special Orders:		
Total Depth: 16375 Ground Elevation: 1501	Surface Casir	ıg: 1500	Depth to base of Treatable Water-E	Bearing FM: 130	
Under Federal Jurisdiction: No	Fresh Water Supply	Well Drilled: No	Surface Water use	ed to Drill: No	
PIT 1 INFORMATION		Approved Method for	disposal of Drilling Fluids:		
Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000		D. One time land application (REQUIRES PERMIT) PERMIT NO: 18-35167 G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741			
Is depth to top of ground water greater than 10ft below base Within 1 mile of municipal water well? N Wellhead Protection Area? N	or pit? Y	H. SEE MEMO			
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					

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 20 Twp 15N R	ge 10W	County	BLAINE	
Spot Location of End Point:	NE I	NW NW	NW	
Feet From: NORTH 1/4	Section	Line: 6	5	
Feet From: WEST 1/4	Section	Line: 3	60	
Depth of Deviation: 10682				
Radius of Turn: 394				
Direction: 358				
Total Length: 5074				
Measured Total Depth: 16375				
True Vertical Depth: 11092				
End Point Location from Lease,				
Unit, or Property Line: 65				

	JOHN D. SCHULTE	PO BOX 246	OKARCHE,, OK 73762
	PAUL I. SCHULTE CAROLYN SCHUL	1002 TEAL RIDGE LANE	KINGFISHER, OK 73750
	STEPHEN A. SCHULTE	PO BOX 246	OKARCHE, OK 73762
	MARY SCHULTE PARRISH AND DAN	3900 DERBY RUN DRIVE	EDMOND, OK 73034
Notes:			
Category	Description		
DEEP SURFACE CASING		); NOTIFY OCC FIELD INSPECTOR IMME TO CIRCULATE CEMENT TO SURFACE C	
HYDRAULIC FRACTURING	9/12/2018 - G71 - OCC 165:10-3-10 REQUIRES:		
	WELLS, NOTICE GIVEN FIVE	NT OF HYDRAULIC FRACTURING OPER BUSINESS DAYS IN ADVANCE TO OFFS SAME COMMON SOURCE OF SUPPLY V	SET OPERATORS WITH
	WELLS TO BOTH THE OCC (	N 48 HOURS IN ADVANCE OF HYDRAULI CENTRAL OFFICE AND LOCAL DISTRICT ID AT THE FOLLOWING LINK: MS.HTML; AND,	
	TO BE REPORTED TO FRAC	JRE OF HYDRAULIC FRACTURING INGR FOCUS WITHIN 60 DAYS AFTER THE CO IPERATIONS, USING THE FOLLOWING LI	NCLUSION THE
INCREASED DENSITY - 684007	10/10/2018 - G58 - 20-15N-10 X648300 MSSP 6 WELLS NO OP. NAMED 9/28/2018	W	

Address

Additional Surface Owner

011 24099 HAMMERHEAD 20-15N-10W 3MH

City, State, Zip

Category	Description
INTERMEDIATE CASING	9/12/2018 - 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	9/12/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201805847	10/10/2018 - G58 - (I.O.) 20-15N-10W X648300 MSSP COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 9/17/2018 (DENTON)
PENDING CD - 201806952	10/10/2018 - G58 - (I.O.) 20-15N-10W X165:10-3-28(C)(2)(B) MSSP (HAMMERHEAD 20-15N-10W 3MH) NO CLOSER THAN 250 FEET FROM THE HAMMERHEAD 20-15N-10W 7MH WELL REC 9/17/2018 (DENTON)
SPACING - 648300	10/10/2018 - G58 - (640) 20-15N-10W EST MSSP EXT OTHERS
SPACING - 660911	10/10/2018 - G58 - (640) 20-15N-10W NPT 648300 TO CORRECT SCRIVNER'S ERROR IN PARAGRAPH F AND EXHIBIT A AS VERTICAL SPACING