PI NUMBER: 017 25569	OKLAHOMA CORPORAT OIL & GAS CONSERV P.O. BOX 5	Approval Date: 12/04/2019				
izontal Hole Oil & Gas ti Unit	OKLAHOMA CITY, C (Rule 165:1	Expiration Date: 06/04/2021				
	PERMIT TO	DRILL				
WELL LOCATION: Sec: 22 Twp: 12N Rge: 8	W County: CANADIAN					
SPOT LOCATION: NE SW SW SE	FEET FROM QUARTER: FROM SOUTH FROM SECTION LINES: 335	EAST 2270				
Lease Name: CROOKED PINE 22_15-12N-8W	Well No: 6MHX	Well will b	be 335 feet from nearest unit or lease boundary.			
Operator PALOMA OPERATING CO INC Name:	Telephone:	7136508509	OTC/OCC Number: 23932 0			
PALOMA OPERATING CO INC		PATRICIA HARTWI	G			
1100 LOUISIANA ST STE 5100		3305 WINDSOR BOULEVARD				
HOUSTON, TX	77002-5220	OKLAHOMA CITY	OK 73122			
		ORLAHOMA CITT	OK 75122			
3 4 5 Spacing Orders: 143998 688916 704469	Location Exception Orders: 70540	8 9 10 3 I	ncreased Density Orders: 704470			
Pending CD Numbers: 201904575		s	Special Orders:			
Total Depth: 20959 Ground Elevation: 1	437 Surface Casing: 150	0 Dep	h to base of Treatable Water-Bearing FM: 340			
	De	ep surface casing has bee	en approved			
Under Federal Jurisdiction: No	Fresh Water Supply Well Drill	ed: No	Surface Water used to Drill: No			
PIT 1 INFORMATION		Approved Method for disposal of D	illing Fluids:			
Type of Pit System: CLOSED Closed System Means	Steel Pits					
Type of Mud System: WATER BASED		D. One time land application (RI				
Chlorides Max: 5000 Average: 3000		F. Haul to Commercial soil farming 659856	facility: Sec. 27 Twn. 17N Rng. 9W Cnty. 73 Order No:			
Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N	ase of pit? Y		Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741			
Wellhead Protection Area? N		H. SEE MEMO				
Pit is not located in a Hydrologically Sensitive Area.						
Category of Pit: C						
Liner not required for Category: C						
Liner not required for Category: C Pit Location is NON HSA						

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: DOG CREEK

HORIZONTAL HOLE 1

Sec	15	Twp	12N	Rge	8W	Cou	nty	CANAD	IAN			
Spot	Locatio	n of En	nd Poir	nt: N	N NE	E N	Е	NE				
Feet	From:	NO	RTH	1/4 Se	ction Li	ne:	65					
Feet	From:	EAS	ST	1/4 Se	ction Li	ne:	400	C				
Depth of Deviation: 10192												
Radi	us of Tu	ırn: 48	38									
Direc	tion: 1	5										
Total	Length	: 1000	00									
Measured Total Depth: 20959												
True	Vertica	l Depth	: 106	70								
End	Point Lo	ocation	from l	_ease,								
	Unit, or	Proper	rty Lin	e: 65								
Note	es:											
Cate	egory						De	scription				
			~ . ~						<u> </u>		 	

 DEEP SURFACE CASING
 11/12/2019 - 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
 11/12/2019 - 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 - 704470 (201904574)
 12/3/2019 - GC2 - 15-12N-8W

 X143998 MISS
 4 WELLS

 PALOMA PARTNERS IV, LLC
 10-30-2019

 LOCATION EXCEPTION - 705403
 12/3/2019 - GC2 - (I.O.) 15 & 22-12N-8W

 (201904573)
 X143998 MISS 15-12N-8W

 X688916 MSSP 22-12N-8W
 COMPL. INT. (22-12N-8W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL

 COMPL. INT. (15-12N-8W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL PALOMA PARTNERS IV, LLC

017 25569 CROOKED PINE 22_15-12N-8W 6MHX

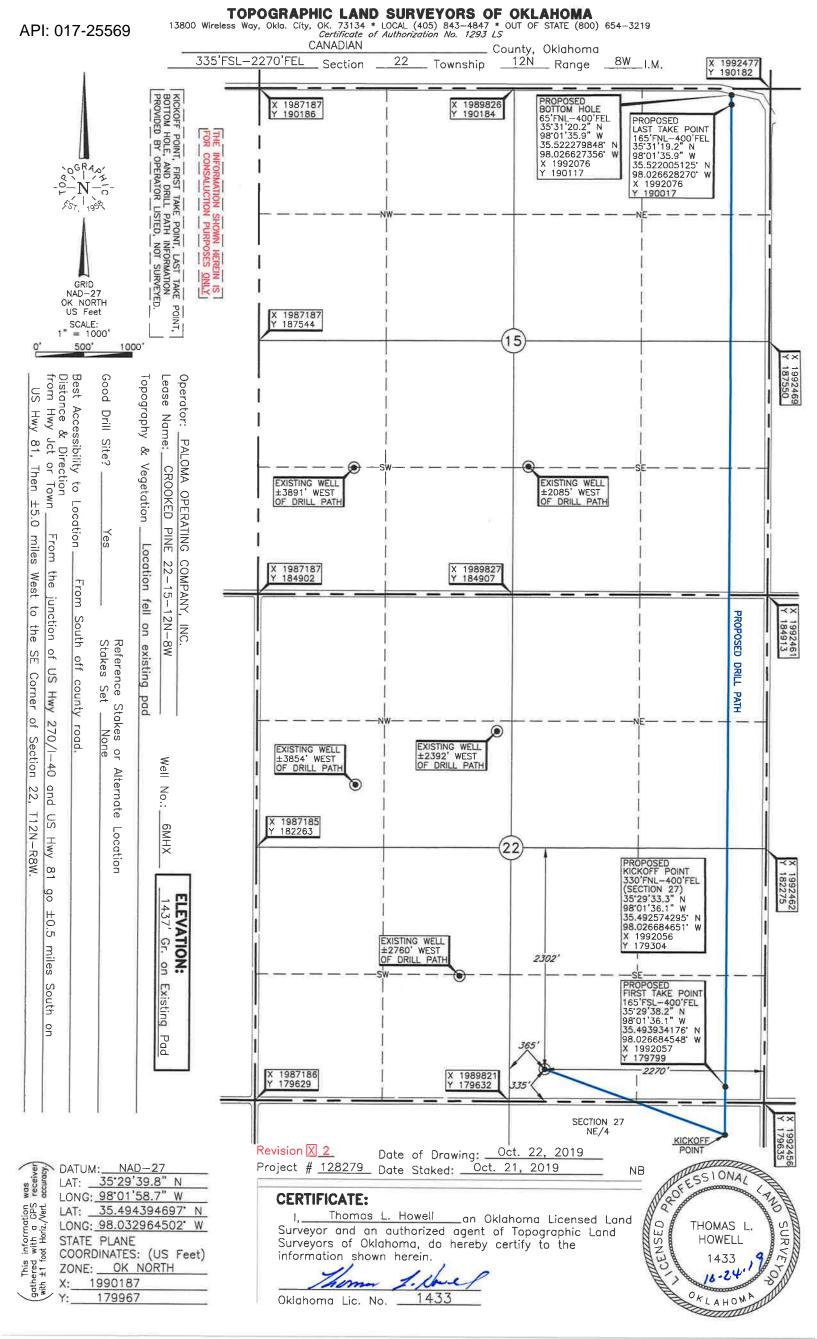
PENDING CD - 201904575

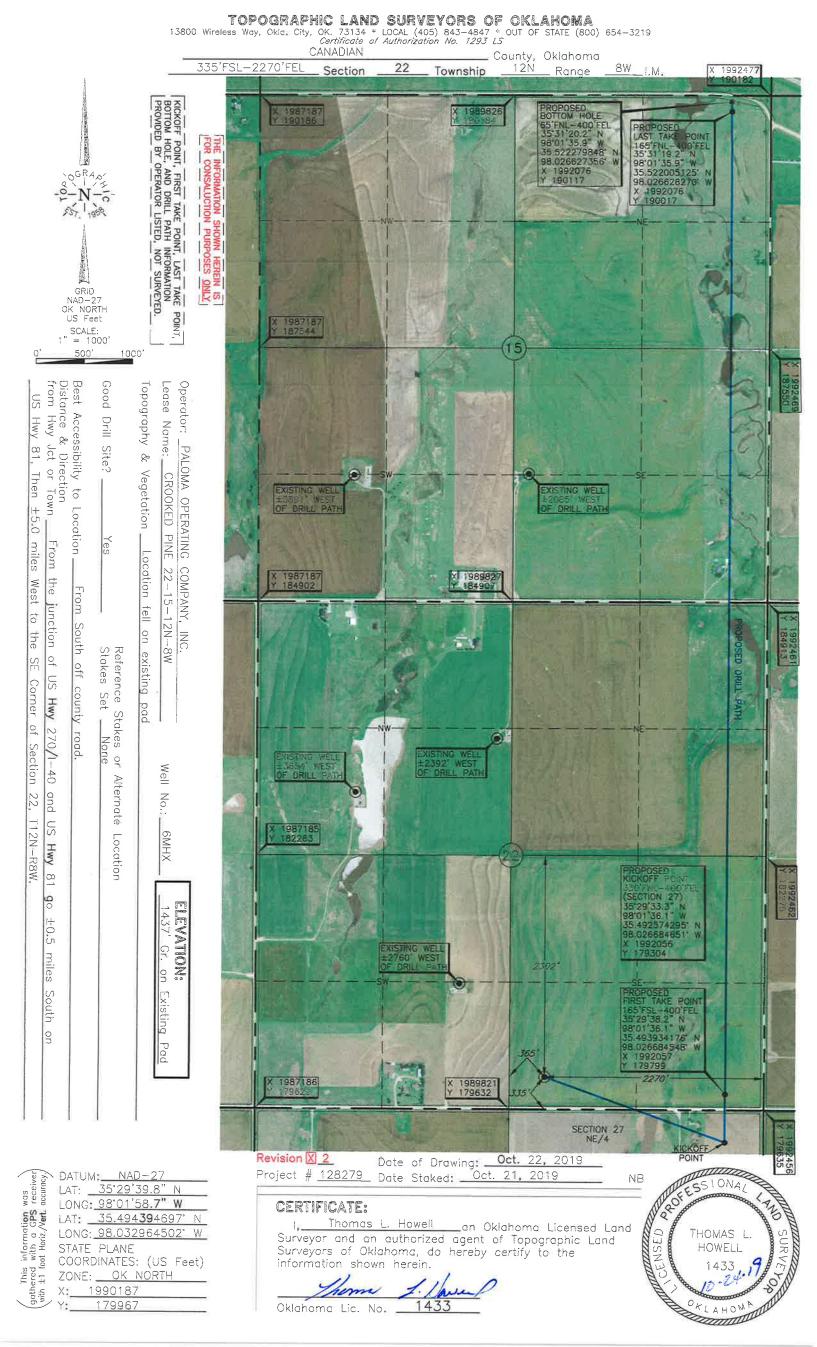
SPACING - 143998

SPACING - 688916

SPACING - 704469 (201904569)

11/12/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT 12/3/2019 - GC2 - 22-12N-8W X688916 MSSP 4 WELLS NO OP. NAMED REC. 10-1-2019 (MOORE) 12/3/2019 - GC2 - (640) 15-12N-8W EXT 122864/137298 MISS EXT OTHER 12/3/2019 - GC2 - (640)(HOR) 22-12N-8W EST MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB 12/3/2019 - GC2 - (I.O.) 15 & 22-12N-8W EST MULTIUNIT HORÍZONTAL WELL X143998 MISS 15-12N-8W X688916 MSSP 22-12N-8W 50% 15-12N-8W 50% 22-12N-8W PALOMA PARTNERS IV, LLC 10-30-2019

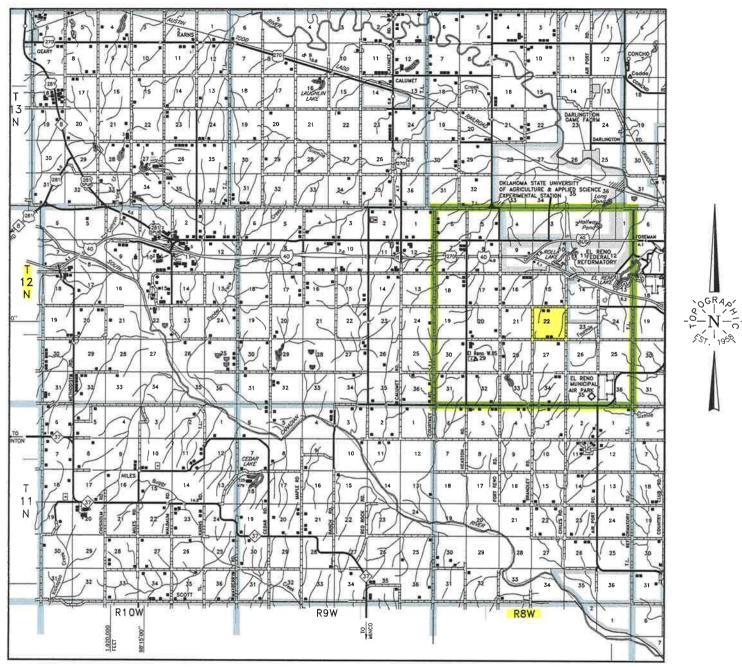




TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy IndusALy 13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

VICINITY MAP



Scale: 1'' = 3 Miles

Sec. 22 Twp. 12N Rng. 8W I.M.

County____CANADIAN____State____OK____

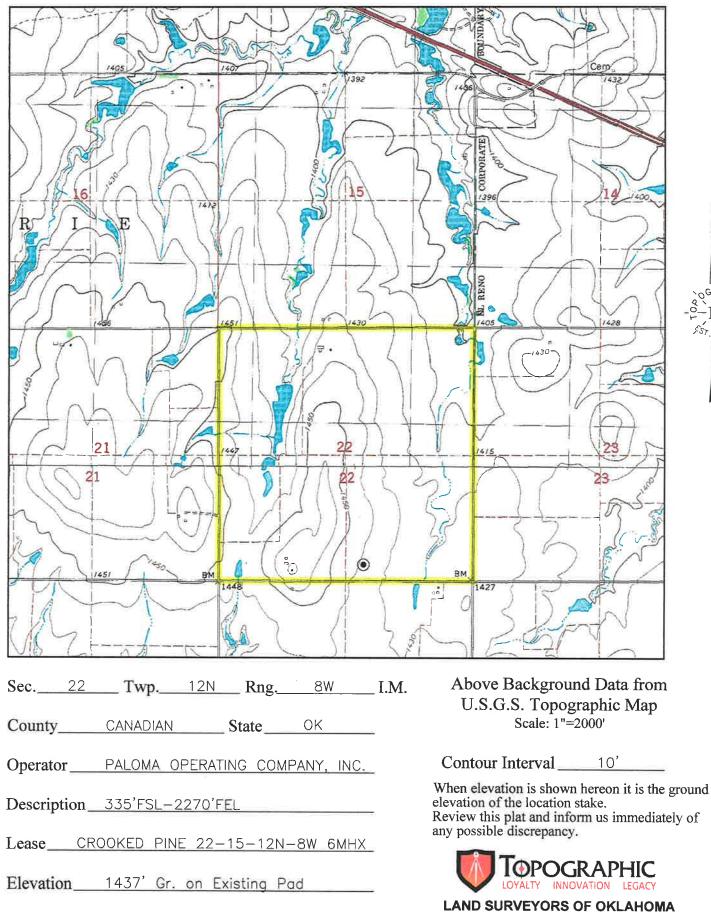
Operator PALOMA OPERATING COMPANY, INC.



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LOCATION & ELEVATION VERIFICATION MAP



Oct. 21, 2019

57 1959