PI NUMBER: 043 23498 izontal Hole Oil & Gas	OIL & GAS C P OKLAHON	ORPORATION COMMISSI CONSERVATION DIVISION P.O. BOX 52000 MA CITY, OK 73152-2000 Rule 165:10-3-1)			
	PI	ERMIT TO DRILL			
WELL LOCATION: Sec: 24 Twp: 19N Rge:	_				
		ORTH FROM EAST			
	SECTION LINES: 29	5 525			
Lease Name: ELAINE 1213-19-18	Well No: 1	ł	Well will be 295 feet from nea	rest unit or lease boundary.	
Operator TAPSTONE ENERGY LLC Name:		Telephone: 4057021600	OTC/OCC Number:	23467 0	
TAPSTONE ENERGY LLC		ELAINE B	. KROWS, TTEE OF KROWS	FAM REV TRUST	
100 E MAIN ST		300 E. RIC	CHMOND TERRACE		
OKLAHOMA CITY, OK	73104-2509	MUSTANO		73064	
L					
Formation(s) (Permit Valid for Listed F	ormations Only)				
Name	Depth	Name	De	pth	
1 MISSISSIPIAN	11000	6			
2	11000	6 7			
3		8			
4		9			
5		10			
Spacing Orders: 647109 647113	Location Exception Orc	lers:	Increased Density Orders	:	
Pending CD Numbers: 201700304			Special Orders:		
201700303					
Total Depth: 21200 Ground Elevation:	1883 Surface Ca	sing: 1500	Depth to base of Treatable Wa	ter-Bearing FM: 250	
Under Federal Jurisdiction: No	Fresh Water Su	pply Well Drilled: No	Surface Wate	r used to Drill: No	
PIT 1 INFORMATION		Approved Method for c	lisposal of Drilling Fluids:		
Type of Pit System: CLOSED Closed System Mear	s Steel Pits				
Type of Mud System: WATER BASED		D. One time land app	lication (REQUIRES PERMIT)	PERMIT NO: 17-320	
Chlorides Max: 8000 Average: 5000		H. SEE MEMO	. ,		
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					
Liner not required for Category: C Pit Location is BED AQUIFER					

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 BED AQUIFER Pit Location Formation: RUSH SPRINGS

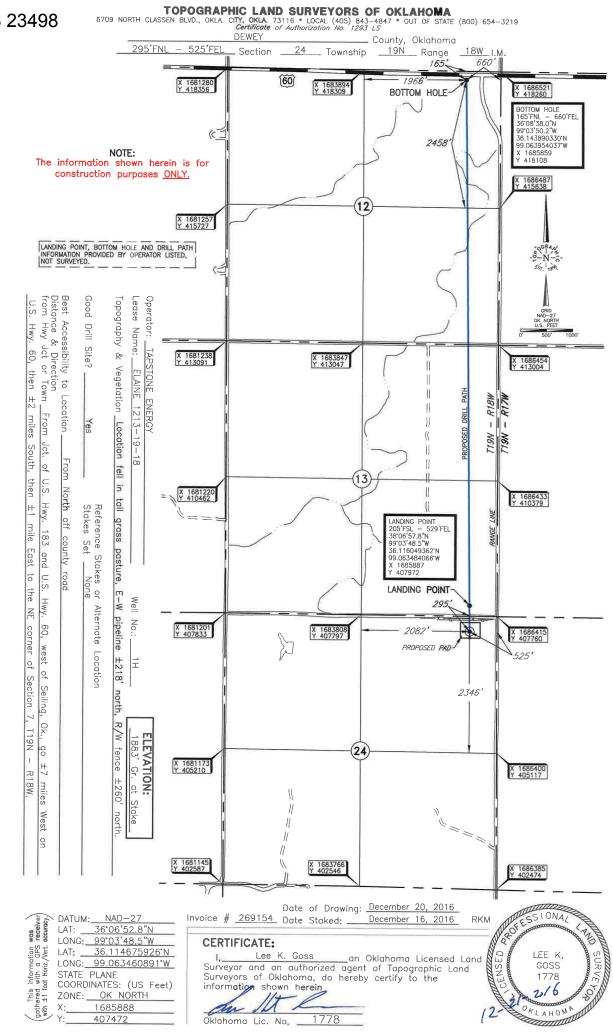
HORIZONTAL HOLE 1

Sec	12	Twp	19N	Rge	18	W	Count	y DEW	ΕY
Spot I	Locatior	of En	d Poin	it: N2	2	N2	NE	NE	
Feet I	From:	NOF	RTH	1/4 Sec	ctior	۱ Line	e:	165	
Feet I	From:	EAS	т	1/4 Se	ctior	ו Lin	e:	660	
Depth	of Dev	iation:	1045	0					
Radius of Turn: 605									
Direction: 359									
Total Length: 9800									
Measured Total Depth: 21200									
True Vertical Depth: 11000									
End Point Location from Lease,									
Unit, or Property Line: 165									

Notes:	
Category	Description
DEEP SURFACE CASING	1/31/2017 - 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	1/31/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
INTERMEDIATE CASING	1/31/2017 - 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
МЕМО	1/31/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201700303	2/2/2017 - G64 - (I.O.) 12 & 13-19N-18W EST MULTIUNIT HORIZONTAL WELL X647113 MSSP 12-19N-18W X647109 MSSP 13-19N-18W 50% 13-19N-18W 50% 12-19N-18W NO OP. NAMED REC. 1-31-2017 (LEAVITT)

043 23498 ELAINE 1213-19-18 1H

Category	Description
PENDING CD - 201700304	2/2/2017 - G64 - (I.O.) 12 & 13-19N-18W X647113 MSSP 12-19N-18W X647109 MSSP 13-19N-18W COMPL. INT. (13-19N-18W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (12-19N-18W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC. 1-31-2017 (LEAVITT)
SPACING - 647109	2/2/2017 - G64 - (640)(HOR) 13-19N-18W VAC 82101 MCSTR EST MSSP COMPL. INT. NLT 660' FB
SPACING - 647113	2/2/2017 - G64 - (640)(HOR) 12-19N-18W VAC 82101 MCSTR EXT 644112 MSSP COMPL. INT. NLT 660' FB



API: 043 23498