PI NUMBER:	125 23880 Oil & Gas	OIL & G	OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1) <u>PERMIT TO DRILL</u>		Approval Date: 12/17/2014 Expiration Date: 06/17/2015	
WELL LOCATION: SPOT LOCATION:	·	Rge: 4E County: PC NE FEET FROM QUARTER: FROM SECTION LINES:	TTAWATOMIE SOUTH FROM WEST 1320 2310			
	BURKE STATE	Well No:	24	Well will b	be 330 feet from nearest unit or lease boundary.	
Operator Name:	ARROWHEAD OPERA	TING INC	Telephone: 432683970	0	OTC/OCC Number: 22963 0	
ARROWHEAD OPERATING INC 400 E LOOP 250 N STE 107 MIDLAND, TX			400 E LOOP 2		D OPERATING INC 250N SUITE 107 TX 79705	
1 2 3 4	Name CALVIN SENORA EARLSBORO WOODFORD	Listed Formations Only): Depth 3300 3400 3550 3650	6 S 7 V 8 S 9	lame YLVAN IOLA IMPSON	Depth 4000 4120 4120	
5 Spacing Orders:	HUNTON No Spacing	3740 Location Exceptio	10 on Orders:		Increased Density Orders:	
Pending CD Numb				_	Special Orders:	
Total Depth: 4	500 Ground E	Elevation: 960 Surface	e Casing: 180	Dep	oth to base of Treatable Water-Bearing FM: 80	
Under Federal	Jurisdiction: No	Fresh Wa	ter Supply Well Drilled: No		Surface Water used to Drill: No	
PIT 1 INFORMA	TION		Approved M	ethod for disposal of Dr	illing Fluids:	
Type of Pit Syste	m: ON SITE		A. Evapora	tion/dewater and backfi	lling of reserve pit.	
Chlorides Max: 8 Is depth to top of Within 1 mile of n	tem: WATER BASED 000 Average: 5000 ground water greater than 1 nunicipal water well? N	10ft below base of pit? Y	H. SOIL CO	H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER		
Wellhead Protect		itivo Aroo				
Pit is loca Category of Pit:	ted in a Hydrologically Sens 1B	มแขะ กไซส.				
Liner required for						

Notes:

Category

FRAC FOCUS

Description

12/17/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM

SPACING

12/17/2014 - G91 - FORMATIONS UNSPACED; 160 ACRE LEASE (NE4)