API NUMBER: 125 23957

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 02/10/2021

Expiration Date: 08/10/2022

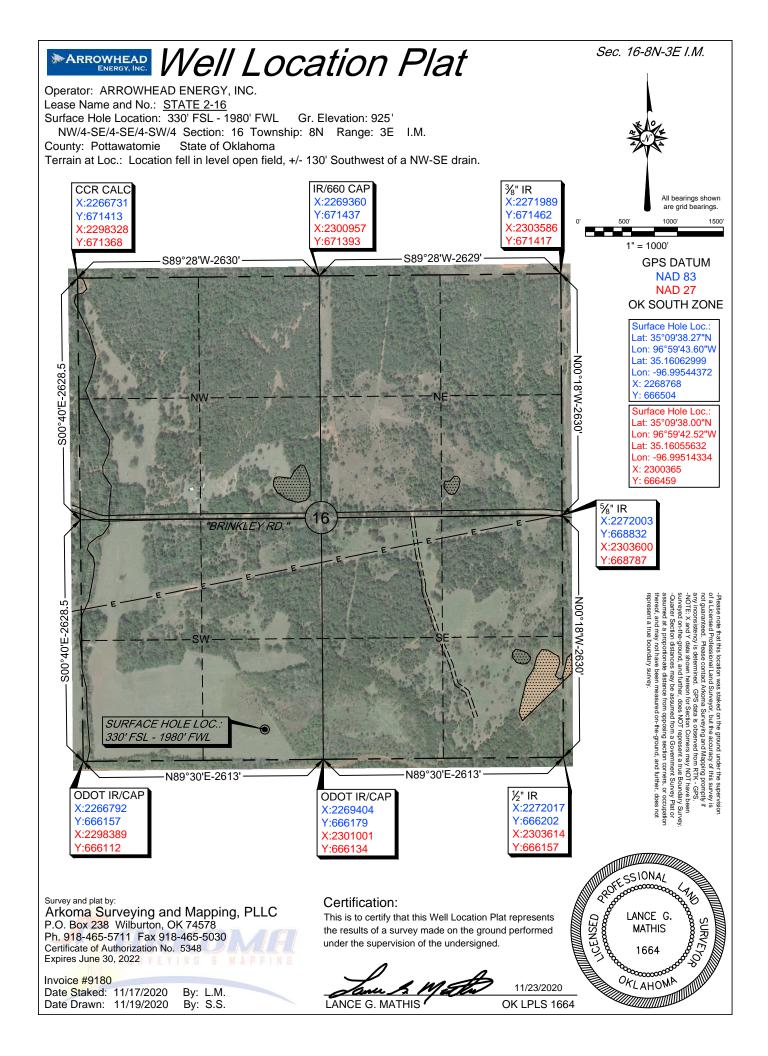
Straight Hole Oil & Gas

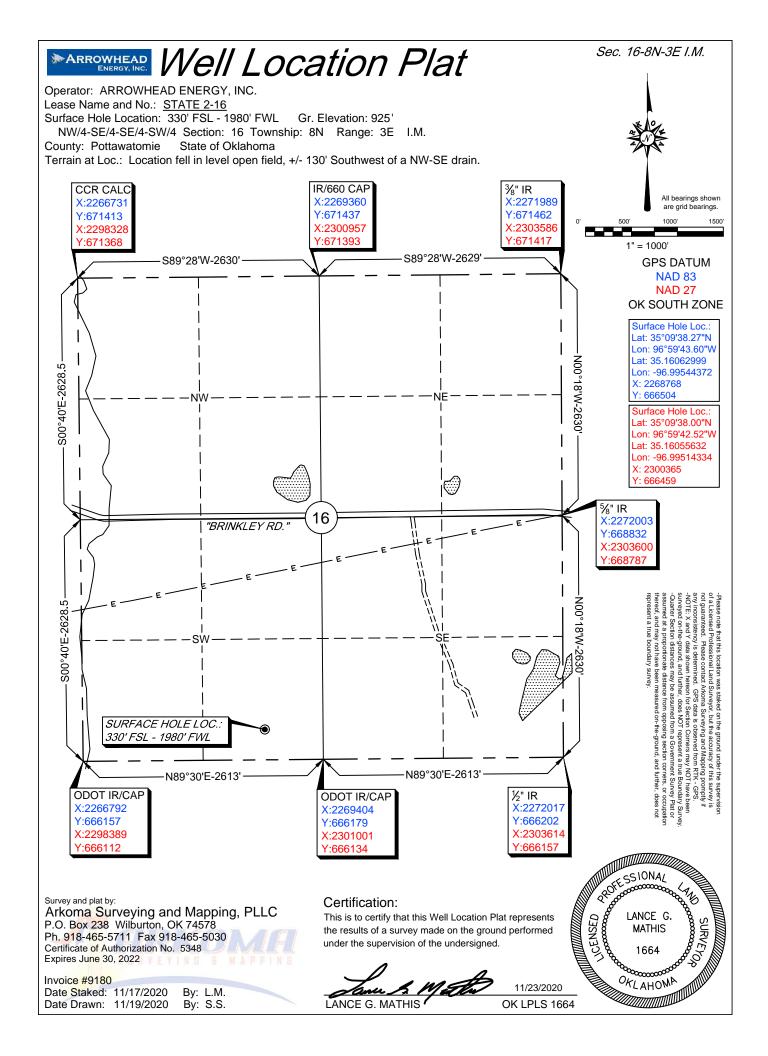
## **PERMIT TO DRILL**

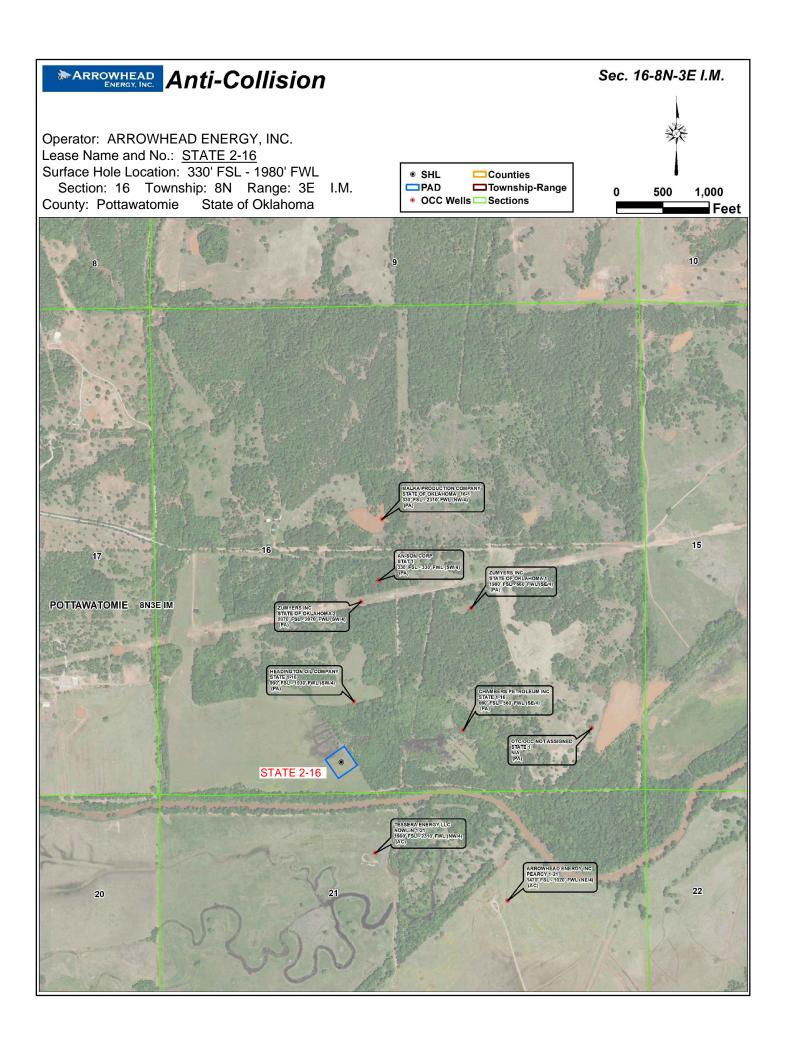
WELL LOCATION:	Section:	16	Township:	8N Ra	nge: 3	E	County:	POTT	AWATOMIE							
SPOT LOCATION:	C S2	SE	sw	FEET FROM QUA	RTER:	FROM	SOUTH	FROM	WEST							
				SECTION	LINES:		330		1980							
Lease Name:	STATE				w	ell No:	2-16			Wally	vill be	330	feet from	nearest uni	t or loses	houndary
					••	en No.	2-10			vven v	VIII DC	330				s boundary.
Operator Name:	ARROWHEAD	ENERGY	Y INC		Tele	phone:	4058485	5777					ОТС	C/OCC Num	nber:	10239 0
ARROWHEA	D ENERGY I	NC						٦ F	COMMISSIONI	ERS OF	THE L	AND	OFFICE			
						11										
2934 NW 156TH ST						11	204 N ROBINSON AVE									
EDMOND,			OK	73013-210	2			11;	STE 900							
								11'	OKLAHOMA C	ITY			OK	73102		
								J L								
Formation(s)	(Permit \/ali	id for Li	isted For	mations Only	<b>/</b> \·											
, ,	(i Gillill Vali	u ioi Li						7								
Name			Code	•	De	pth										
1 HUNTON			269H	NTN	470	00										
Spacing Orders:	No Spacing				Location	n Excep	tion Orde	rs: N	Exceptions			Ind	creased De	nsity Orders:	No Dei	nsity Orders
Pending CD Numb	ers: No Pendin	g		-	Wor	king inte	erest own	ers' not	ified: ***				Spe	ecial Orders:	No Spe	ecial Orders
Total Depth: 5200 Ground Elevation: 925 Surface Casing:						250	250 Depth to base of Treatable Water-Bearing FM: 90						90			
rotal Boptill	,200	0.00		220	Our	uoc c	uomg.								5	
Under Federal Jurisdiction: No						Approved Method for disposal of Drilling Fluids:										
Fresh Water Supply Well Drilled: No						0	D. One time land application (REQUIRES PERMIT) PERMIT NO						RMIT NO:	21-37520		
Surface Water used to Drill: Yes						F	H. (Other) CLOSED SYSTEM=STEEL PITS (F					S (REQU	IRED - LITTLE			
								L				RIVER)				
PIT 1 INFOR	MATION								Catego	ory of Pit:	2					
Type of Pit System: CLOSED Closed System Means Steel Pits					ı	Liner not required for Category: C										
Type of Mud System: WATER BASED							Pit Location is: ALLUVIAL									
Chlorides Max: 8000 Average: 5000							Pit Location Fo	rmation: /	ALLUVIL	JM						
Is depth to	top of ground wat	ter greate	er than 10ft	below base of pit	? Y											
Within 1	mile of municipal	water wel	II? N													
	Wellhead Protect	ction Area	a? N													
Dit ie l	ocated in a Hydrol	logically (	Consitivo A	.00												

NOTES:

Category	Description
HYDRAULIC FRACTURING	[2/2/2021 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
SPACING	[2/8/2021 - G56] - FORMATION UNSPACED; 80-ACRE LEASE (E2 SW4)







## \*\*ARROWHEAD Topographic Vicinity Map

Operator: ARROWHEAD ENERGY, INC. Lease Name and No.: STATE 2-16

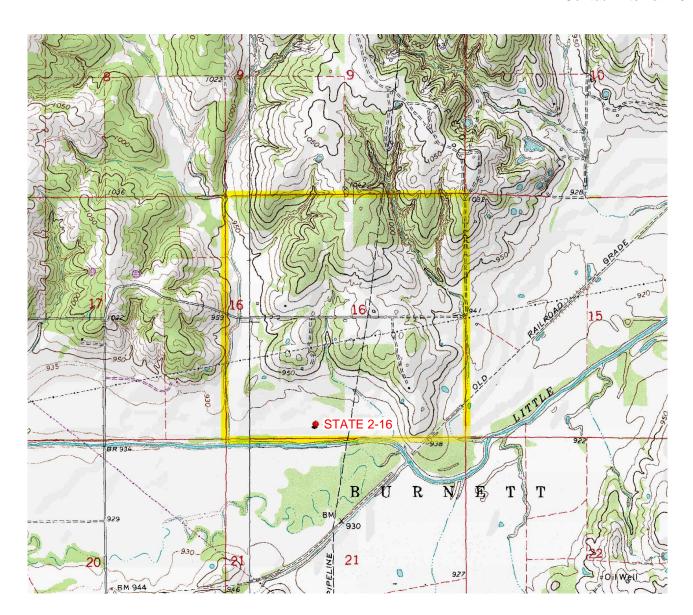
Surface Hole Location: 330' FSL - 1980' FWL Section: 16 Township: 8N Range: 3E I.M.

County: Pottawatomie State of Oklahoma

Ground Elevation at Surface Hole Location: 925'



Scale 1" = 2000' Contour Interval: 10'



Provided by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348 Expires June 30, 2022

Date Staked: 11/17/2020

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.

