PI NUMBER: 017 25339 izontal Hole Oil & Gas	OIL & GAS OKLAHO	CORPORATION COMMISS CONSERVATION DIVISIO P.O. BOX 52000 DMA CITY, OK 73152-2000 (Rule 165:10-3-1)	ON Approval Da	Approval Date: 12/07/2018 Expiration Date: 06/07/2020			
		PERMIT TO DRILL					
WELL LOCATION: Sec: 21 Twp: 12N Rge:	10W County: CANA	DIAN					
	FEET FROM QUARTER: FROM	NORTH FROM WEST					
	SECTION LINES:	240 2470					
Lease Name: BRAVEHEART	Well No:	1H-16-9	Well will be 240 feet from	nearest unit or lease boundary.			
Operator CITIZEN ENERGY III LLC Name:		Telephone: 9189494680	OTC/OCC Numb	per: 24120 0			
CITIZEN ENERGY III LLC		TERAL					
320 S BOSTON AVE STE 900			TERAL R. GARRISON 17187 CR 1060				
TULSA, OK	74103-3729						
		HINTON	N OK	74103			
3 4 5 Spacing Orders: No Spacing	Location Exception (8 9 10 Drders:	Increased Density Orc	ers:			
Pending CD Numbers: 201809115 201809116			Special Orders:				
Total Depth: 24000 Ground Elevation:	1355 Surface C	Casing: 1500	Depth to base of Treatable	Water-Bearing FM: 180			
Under Federal Jurisdiction: No	Fresh Water	Supply Well Drilled: No	Surface W	ater used to Drill: No			
PIT 1 INFORMATION		Approved Method for	or disposal of Drilling Fluids:				
Type of Pit System: CLOSED Closed System Mean	s Steel Pits						
Type of Mud System: WATER BASED			D. One time land application (REQUIRES PERMIT) PERMIT NO: 18-35856				
Chlorides Max: 8000 Average: 5000	have afreito. M	H. SEE MEMO					
Is depth to top of ground water greater than 10ft below Within 1 mile of municipal water well?	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							
Category of Pit: C Liner not required for Category: C							
Category of Pit: C Liner not required for Category: C Pit Location is ALLUVIAL							

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 ALLUVIAL
Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec	09	Twp	12N	Rge	10W	С	ounty	CANADIAN
Spot Location of End Poin			t: N	NN	w	NW	NE	
Feet	From:	NOF	RTH	1/4 Se	ction L	ine:	16	5
Feet	eet From: EAST		т	1/4 Section Line:			24	99
Depth of Deviation: 12784								
Radius of Turn: 573								
Direction: 359								
Total Length: 10316								
Measured Total Depth: 24000								
True Vertical Depth: 13500								
End Point Location from Lease,								
Unit, or Property Line: 165								

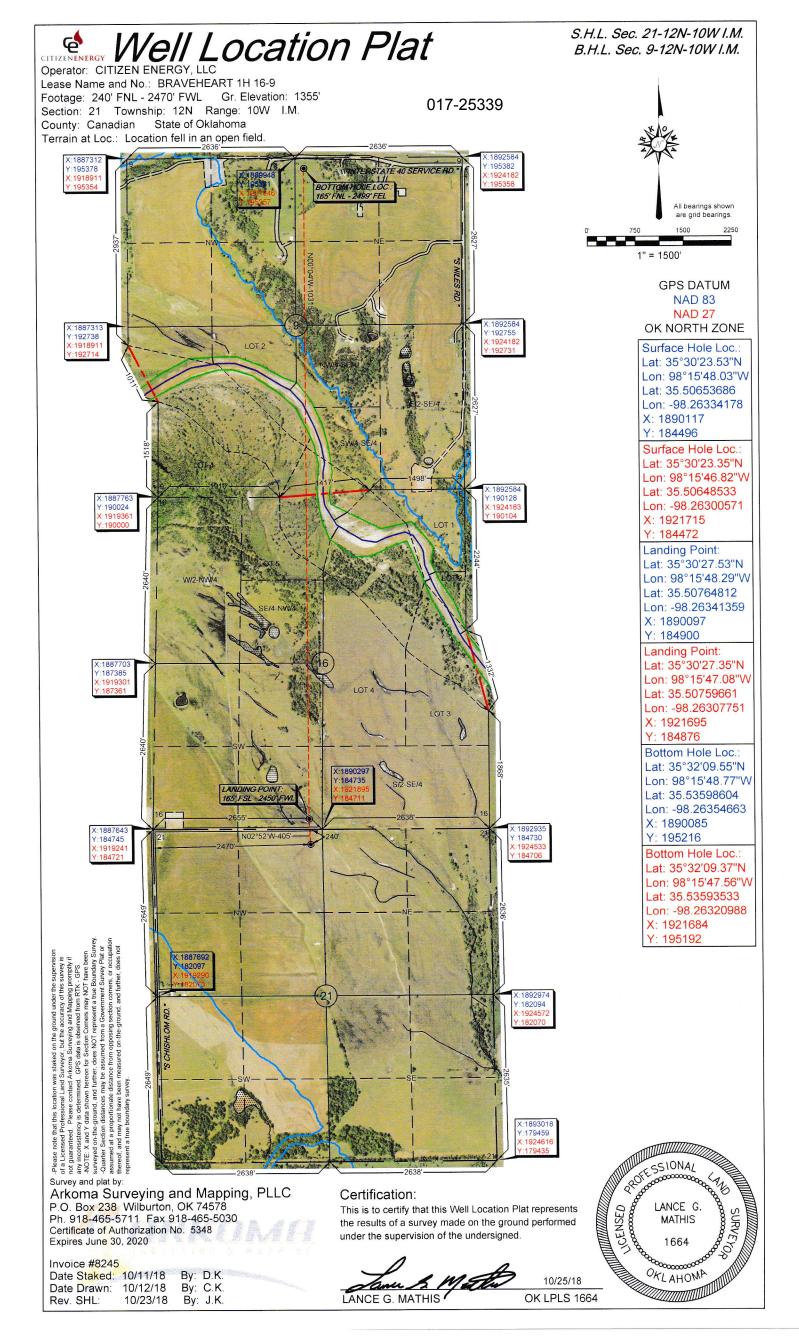
Notes:	
Category	Description
DEEP SURFACE CASING	11/27/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	11/27/2018 - G71 - OCC 165:10-3-10 REQUIRES:
	1) PRIOR TO COMMENCEMENT 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
MEMO	11/27/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201809115	12/7/2018 - G58 - (E.O.)(1280)(HOR) 9 & 16-12N-10W EST MSSP COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 96815 CSTR; SP. ORDER 548859 MSSP) REC 11/9/2018 (DUNN)

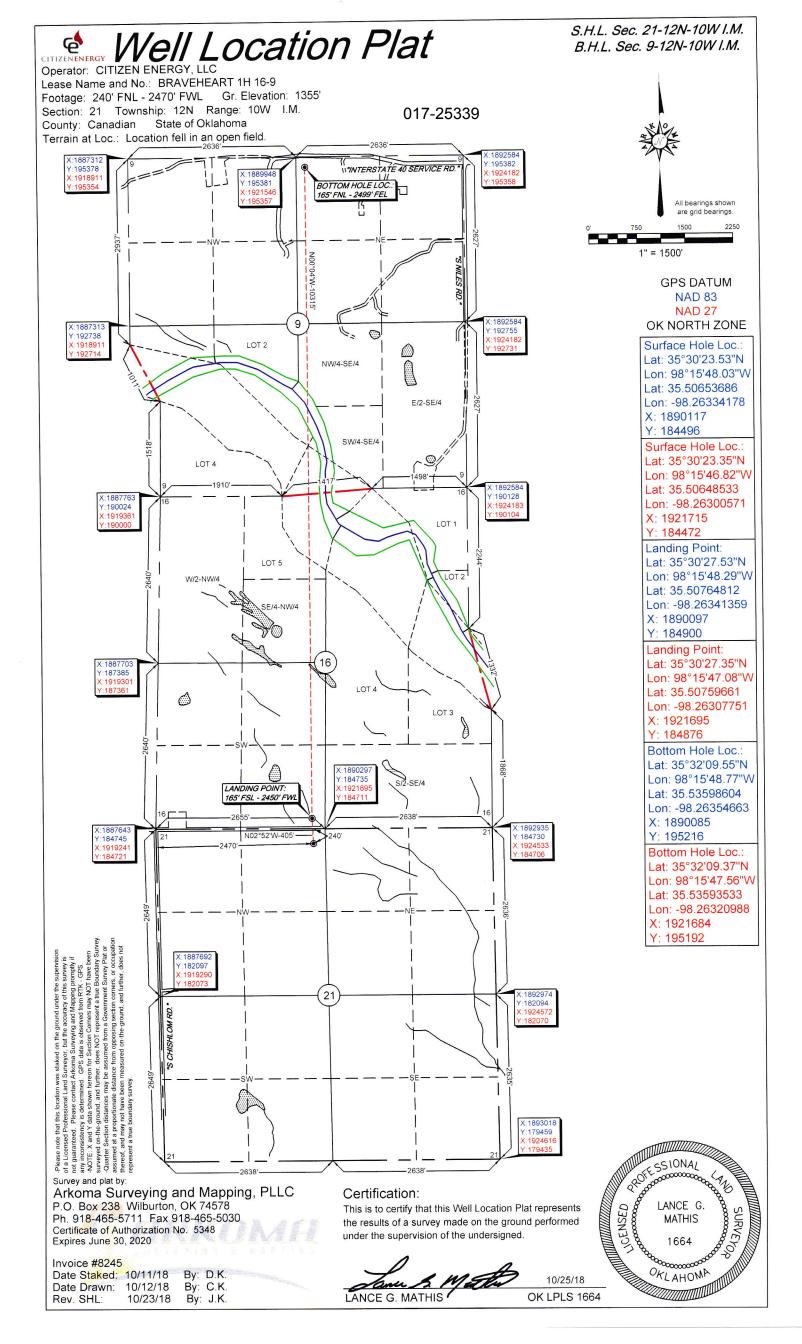
017 25339 BRAVEHEART 1H-16-9

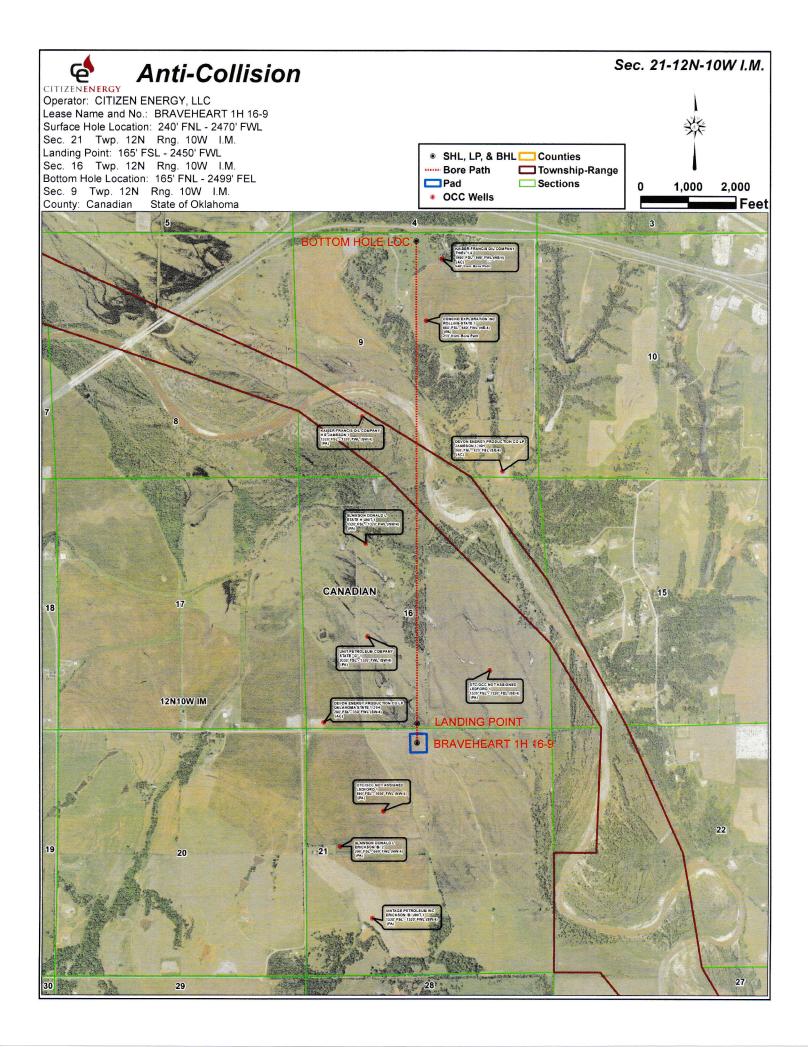
PENDING CD - 201809116

Description

12/7/2018 - G58 - (E.O.) 9 & 16-12N-10W X201809115 MSSP SHL 240' FNL, 2470' FWL COMPL. INT. 16-12N-10W NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. 9-12N-10W NCT 165' FNL, NCT 0' FSL, NCT 1320' FWL NO OP. NAMED REC 11/9/2018 (DUNN)

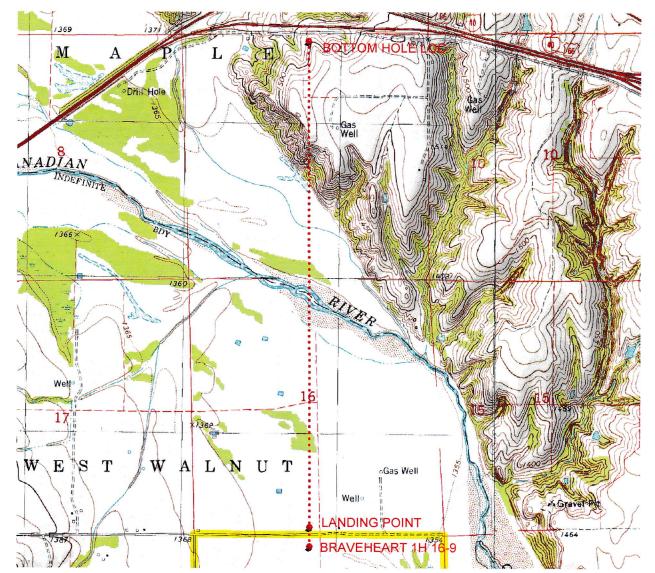








Ground Elevation at Surface Hole Location: 1355'



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, 2020

Date Staked: 10/11/18

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.

