API NUMBER: 015 23298

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Is depth to top of ground water greater than 10ft below base of pit? Y

located in a Hydrologically Sensitive Area.

Chlorides Max: 8000 Average: 5000

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

Wellhead Protection Area?

Category of Pit: C

Oil & Gas

Horizontal Hole

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

Approval Date: 04/11/2018

Expiration Date: 10/11/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 12N Rge: 13 SPOT LOCATION: NW NE NE NE NE		ORTH FROM EAST		
	SECTION LINES: 24	15 365		
Lease Name: JETT RYAN	Well No: 1	-13-24XHM	Well will be 245 feet from nearest unit or lease boundary.	
Operator CONTINENTAL RESOURCES INC Name:		Telephone: 4052349020; 40523	OTC/OCC Number: 3186 0	
CONTINENTAL RESOURCES INC		ALLENIA	ND JACKIE ENTZ	
PO BOX 269000			2104 OLD 66 RD.	
OKLAHOMA CITY, OK	73126-9000	HYDRO	OK 73048	
1 MISSISSIPPIAN 2 WOODFORD 3 4 5 Spacing Orders: No Spacing	15270 15970 Location Exception On	6 7 8 9 10 ders:	Increased Density Orders:	
Pending CD Numbers: 201802173 201802174 201802175 201802176			Special Orders:	
Total Depth: 25350 Ground Elevation: 1	Surface Ca	nsing: 1500	Depth to base of Treatable Water-Bearing FM: 200	
Under Federal Jurisdiction: No	Fresh Water St	upply Well Drilled: No	Surface Water used to Drill: No	
PIT 1 INFORMATION		Approved Method for	r disposal of Drilling Fluids:	
Type of Pit System: CLOSED Closed System Means	Steel Pits			

D. One time land application -- (REQUIRES PERMIT)

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PERMIT NO: 18-33953

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 24 Twp 12N Rge 13W County CADDO

Spot Location of End Point: SW SE SE SE
Feet From: SOUTH 1/4 Section Line: 30
Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 14802 Radius of Turn: 477 Direction: 181

Total Length: 9799

Measured Total Depth: 25350

True Vertical Depth: 15970

End Point Location from Lease,
Unit, or Property Line: 30

Notes:

MEMO

Category Description

DEEP SURFACE CASING 3/29/2018 - 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 3/29/2018 - 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 3/29/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201802173 4/6/2018 - G58 - (640) 13-12N-13W

EXT 583380 MSSP, WDFD, OTHER

REC 4/9/2018 (MURER)

Category Description

PENDING CD - 201802174 4/6/2018 - G58 - (640) 24-12N-13W

EXT OTHER EXT 585115 WDFD

EST MSSP

REC 4/9/2018 (MURER)

PENDING CD - 201802175 4/6/2018 - G58 - (I.O.) 13 & 24-12N-13W

EST MULTIUNIT HORIZONTAL WELL X20182175** MSSP, WDFD (13-12N-13W) X20182175** MSSP, WDFD (24-12N-13W)

(WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)

50% 13-12N-13W 50% 24-12N-13W NO OP. NAMED REC 4/9/2018 (MURER)

**S/B SP ORDERS 201802173, 201802174 TO BE CORRECTED AT HEARING PER ATTORNEY

FOR OP.

PENDING CD - 201802176 4/6/2018 - G58 - (I.O.) 13 & 24-12N-13W

X20182175** MSSP, WDFD (13-12N-13W) X20182175** MSSP, WDFD (24-12N-13W)

COMPL. INT. (13-12N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (24-12N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL

NO OP. NAMED REC 4/9/2018 (MURER)

**S/B SP ORDERS 201802173, 201802174 TO BE CORRECTED AT HEARING PER ATTORNEY

FOR OP.

COVER SHEET



CONTINENTAL RESOURCES, INC. JETT RYAN #1-13-24XHM

Sec. 13 Twp. 12N Rng. 13W County: Caddo State of Oklahoma

SHEET	REVISE DATE	BY	COMMENTS
EXHIBIT "A"	11/06/17	JH	REV. HS/BHL
ALL	11/15/17	RM	REV. LEASE NAME
EXHIBIT B	11/21/17	RM	REV. DRIVING DIRECTIONS

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, 2018

Invoice #7439 Date Staked: 10/25/17 GPS DATUM
NAD 27
NAD 83
OK SOUTH ZONE

Operator: CONTINENTAL RESOURCES, INC.

015-23298

EXHIBIT "A" S.H.L. Sec. 13-12N-13W I.M. B.H.L. Sec. 24-12N-13W I.M. CADDO COUNTY (SHEET 1 OF 2)

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	797068	1809112	0.0			RR SPIKE NWc 13-12N-13W	
21	791810	1809088	0.0			1/2" IR NWc 24-12N-13W	
22	786542	1809090	0.0			1/2" IR SWc 24-12N-13W	
23	797040	1814403	0.0			IR W/CAP NEc 13-12N-13W	
24	791766	1814375	0.0			1/2" IR SEc 13-12N-13W	
25	786484	1814356	0.0			1/2" IR SEc 24-12N-13W	
50	793119	1810414	0.0	LAT:35°30'41.15"N LON:98°31'52.04"W	LAT:35.51142919 LON:-98.53112254	AC-TULSA ENERGY HEIDEBRECHT1-13 OCC STATUS: AC, TVD: 13800'	
51	789934	1810953	0.0	LAT:35°30'09.68"N LON:98°31'45.32"W	LAT:35.50268843 LON:-98.52925682	AC-LINN OPERATING JESSIE 1-24 OCC STATUS: PA, TVD: 13950'	
52	787818	1813041	0.0	LAT:35°29'48.87"N LON:98°31'19.95"W	LAT:35.49690710 LON:-98.52220733	AC-ANDARKO EPPERLY, J.F. 1-24 OCC STATUS: PA, TVD: 14055'	
100	796797	1814037	1565.6'	LAT:35°31'17.70"N LON:98°31'08.45"W	LAT:35.52158471 LON:-98.51901478	A. JETT RYAN #1-13-24XHM 245' FNL - 365' FEL	1563.9'
200	796317	1814020	0.0	LAT:35°31'12.96"N LON:98°31'08.64"W	LAT:35.52026616 LON:-98.51906550	A. HEEL SLOT 725' FNL - 380' FEL	
300	786518	1813976	0.0	LAT:35°29'36.05"N LON:98°31'08.56"W	LAT:35.49334803 LON:-98.51904360	A. BOTTOM HOLE LOCATION 30' FSL - 380' FEL	

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	797026	1840711	0.0			RR SPIKE NWc 13-12N-13W	
21	791768	1840687	0.0			1/2" IR NWc 24-12N-13W	
22	786500	1840689	0.0			1/2" IR SWc 24-12N-13W	
23	796998	1846002	0.0			IR W/CAP NEc 13-12N-13W	
24	791724 1845974 0.0			1/2" IR SEc 13-12N-13W			
25	786442	1845954	0.0			1/2" IR SEc 24-12N-13W	
50	793077	1842013	0.0	LAT:35°30'40.96"N LON:98°31'50.80"W	LAT:35.51137723 LON:-98.53077727	AC-TULSA ENERGY HEIDEBRECHT1-13 OCC STATUS: AC, TVD: 13800'	
51	789892	1842552	0.0	LAT:35°30'09.49"N LON:98°31'44.08"W	LAT:35.50263628 LON:-98.52891191	AC-LINN OPERATING JESSIE 1-24 OCC STATUS: PA, TVD: 13950'	
52	787777	1844639	0.0	LAT:35°29'48.68"N LON:98°31'18.71"W	LAT:35.49685486 LON:-98.52186282	AC-ANDARKO EPPERLY, J.F. 1-24 OCC STATUS: PA, TVD: 14055'	
100	796755	1845636	1565.6'	LAT:35°31'17.52"N LON:98°31'07.21"W	LAT:35.52153300 LON:-98.51866962	A. JETT RYAN #1-13-24XHM 245' FNL - 365' FEL	1563.9'
200	796275	1845619	0.0	LAT:35°31'12.77"N LON:98°31'07.39"W	LAT:35.52021442 LON:-98.51872039	A. HEEL SLOT 725' FNL - 380' FEL	
300	786476	176 1845575 0.0 LAT:35°29'35.86"N LAT:35.49329573 A. BOTTOM HOLE LOCATION 30' FSL - 380' FEL					

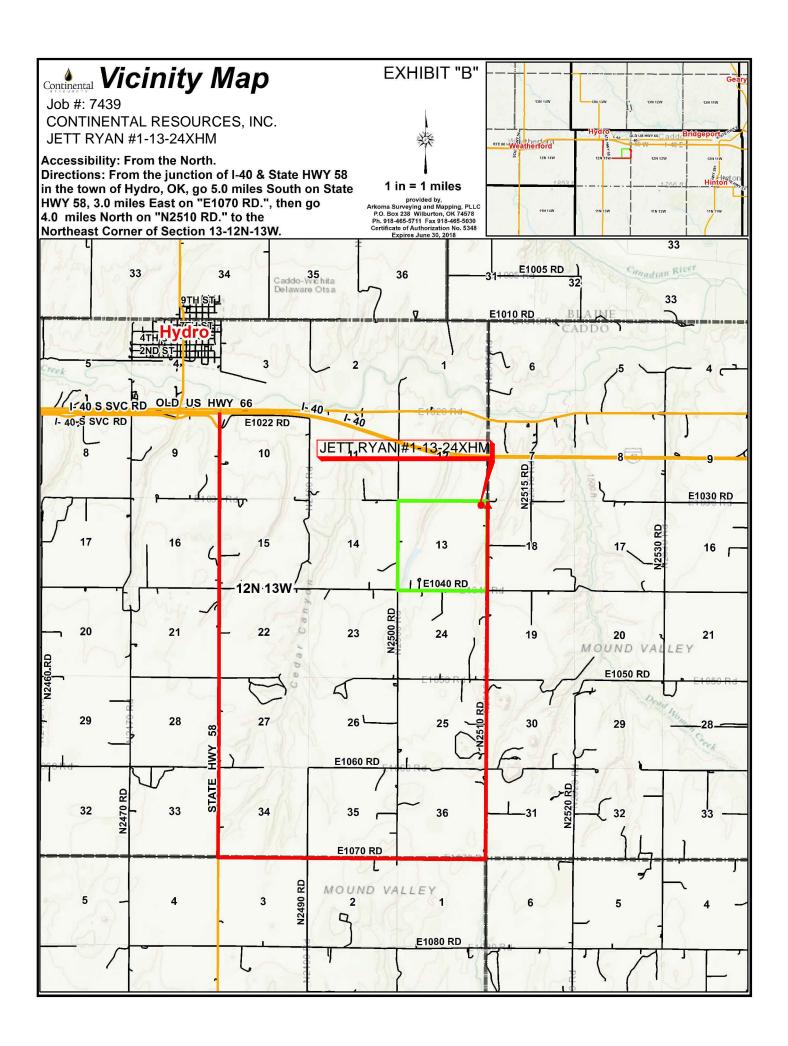
Survey and plat by:
Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348 Expires June 30, 2018

Invoice #7439

Date Staked : 10/25/17 By: J.W. Date Drawn: 11/02/17 By: J.H.

EXHIBIT "A" Continental Well Location Plat S.H.L. Sec. 13-12N-13W I.M. B.H.L. Sec. 24-12N-13W I.M. CADDO COUNTY Operator: CONTINENTAL RESOURCES, INC. (SHEET 2 OF 2) 2646' 20 100. 200. 13 All bearings shown are grid bearings. 1" = 1320 SW **GPS DATUM NAD 27 NAD 83** OK SOUTH ZONE 21 Professional Land Su 24 JETT RYAN #1-13-24XHM SHL: 245' FNL - 365' FEL, BHL: inis location was staked on the ground under the supervision of a Licensed Surveyor, but the accuracy of this survey is not guaranteed. koma Surveying and Mapping promptly if any inconsistency is determined. weet from RTK - GPS. ●51. S00°15'W - 9799' 24 30 ĬSE FSL - 380' 300. White SSIONAL OF SOCOOD 2633 2633 Survey and plat by: Certification: Arkoma Surveying and Mapping, PLLC This is to certify that this Well Location Plat represents LANCE G. P.O. Box 238 Wilburton, OK 74578 the results of a survey made on the ground performed MATHIS Ph. 918-465-5711 Fax 918-465-5030 under the supervision of the undersigned. Certificate of Authorization No. 5348 Expires June 30, 2018 OKLAHOMA Invoice #7439 11/15/17 Date Staked : 10/25/17 By: J.W. LANCE G. MATHIS **OK LPLS 1664** Date Drawn: 11/02/17





FACING NORTH

STAKES NOT SET, NO PHOTOS TAKEN.

FACING SOUTH

STAKES NOT SET, NO PHOTOS TAKEN.

Terrain at Loc.: Location fell in open pasture.

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, 2018

Date Staked: 10/25/17

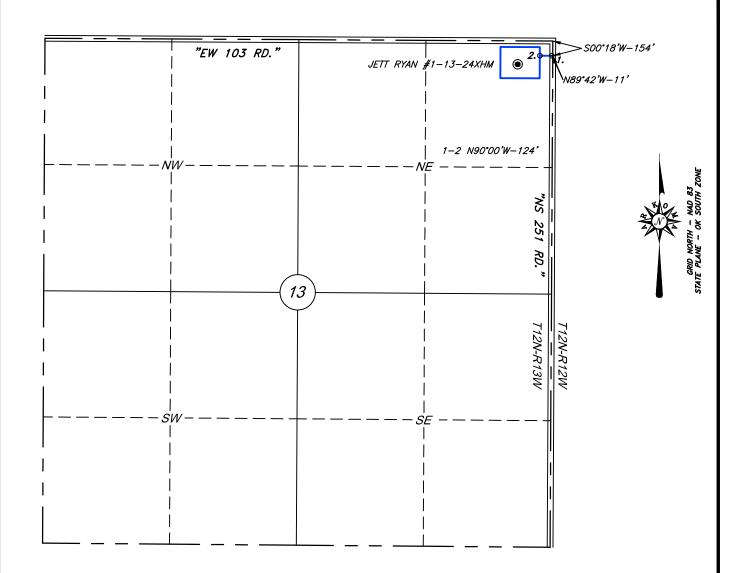


CONTINENTAL RESOURCES, INC. JETT RYAN #1-13-24XHM Sec. 13 Twp. 12N Rng. 13W

County: Caddo State of Oklahoma

EXHIBIT "D"

TOTAL PROPOSED LEASE ROAD= 124' OR 7.52 RODS





- -NOTES
 * This Proposed Lease Road Plat does not represent a true boundary survey.

 * The footages and ties shown hereon are from lines of occupation and may not be from actual property corners.

 * Ownership shown hereon is provided by, and/or verified with client.

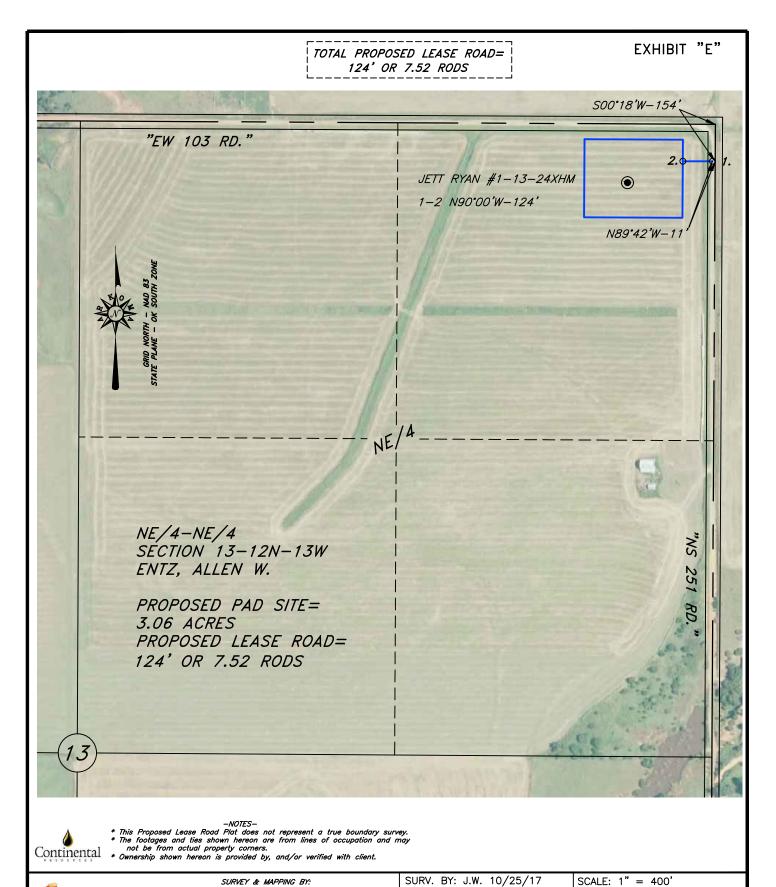
SURVEY & MAPPING BY:

ARKOMA SURVEYING & MAPPING, PLLC

ARKOMA

(918)465-5711 P.O. Box 238 C.A. #5348, (918)465-5030 fax Wilburton, OK 74578 EXP. DATE 6-30-18

	SURV. BY: J.W. 10/25/17	SCALE: 1" = 1000'	
	DRAWN BY: J.H. 11/02/17	JOB NO.: 7439	
	APPROVED BY: L.G.M	DRAW. NO.: 7439-RD	
3	SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"	



DRAWN BY: J.H. 11/02/17

APPROVED BY: L.G.M

SHEET

JOB NO.: 7439

DRAW. NO.: 7439-RD

SHEET SIZE: 8.5" X 11"



ARKOMA SURVEYING & MAPPING, PLLC

C.A. #5348, EXP. DATE 6-30-18

P.O. Box 238

(918)465-5030 fax Wilburton, OK 74578

(918)465-5711

EXHIBIT "F" PLAN AND PROFILE OF A PROPOSED LEASE ROAD FOR THE "JETT RYAN #1-13-24XHM" IN A PART OF THE NE/4-NE/4 SECTION 13, T12N-R13W, CADDO COUNTY, OKLAHOMA NE/4-NE/4 NW/4-NW/4SÉCTION 13 SECTION 18 T12N-R13W T12N-R12W Edge of Flare END CENTERLINE N90°00'W BEGIN CENTERLINE ROAD SURVEY ROAD SURVEY PROPOSED LEASE ROAD STA: 1+24 STA: 0+00 CONTINENTAL JETT RYAN #1-13-24XHM PROPOSED LOCATION ıδ 251 Design Elev.=1563.9' 0+50 0+21 Existing چا 10 Ditch PLAN VIEW Scale: 1" = 50' ONEOK Pipeline CONTOUR INTERVAL: 1' * This Proposed Lease Road plot does not represent a true boundary survey.

* The footages and ties shown hereon are from lines of occupation and may not be from actual property corners. *1570*′ 1570' 1568° <u>1568'</u> 1566 1566 <u>1564</u> 1564° 1562' 1562 <u>1560</u>' 1560° LEASE ROAD PROFILE VIEW Scales: Horizontal: 1" = 50' Vertical: 1" = 10' * This Proposed Lease Road plat does not represent a true boundary survey.

* The footages and ties shown hereon are from lines of occupation and may not be from actual property corners. SCALE: AS SHOWN Continental JOB NO.: 7439 SURV. BY: J.W. 10/25/17 SURVEY & MAPPING BY: DRAW. NO.: 7439-RDPLAN

ARKOMA SURVEYING AND MAPPING, PLLC

P.O. Box 238

Wilburton, OK 74578

C.A. #5348,

(918)465-5711

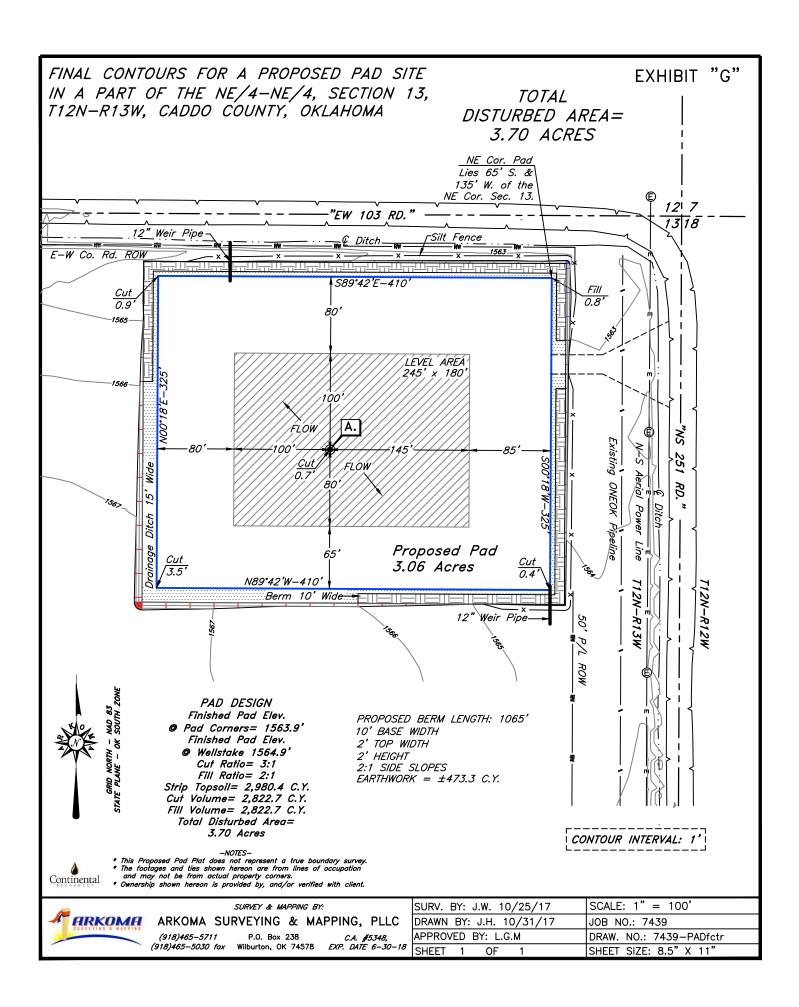
(918)465-5030 fax

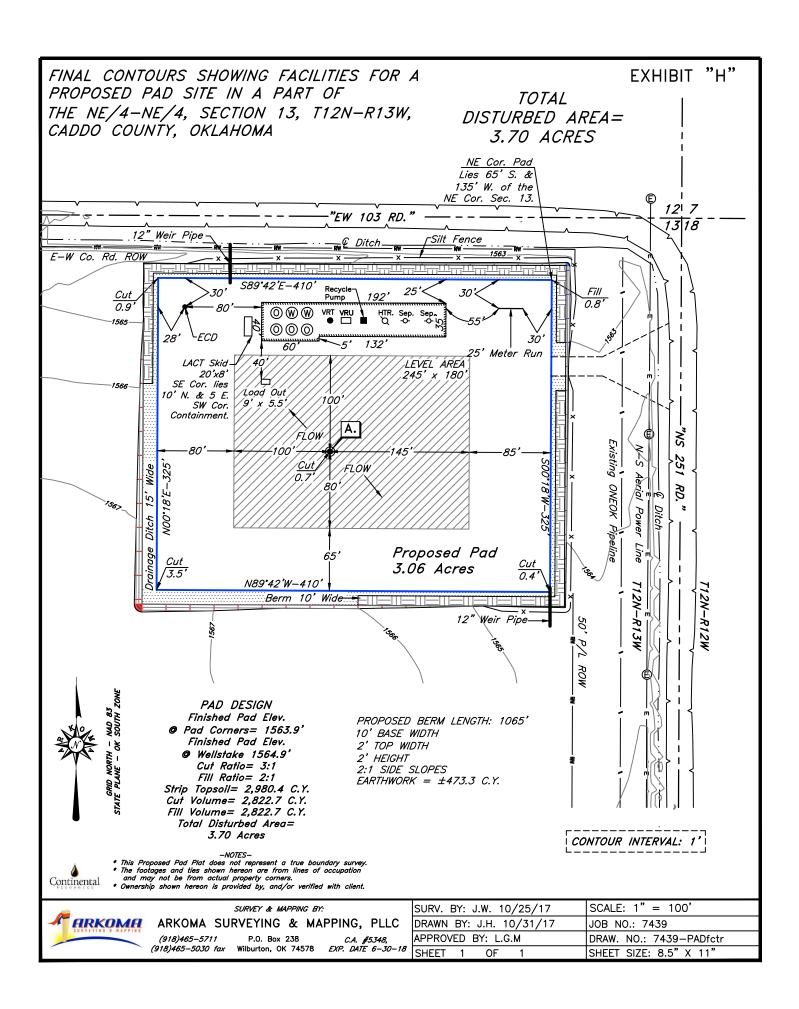
DRAWN BY: J.H. 11/02/17

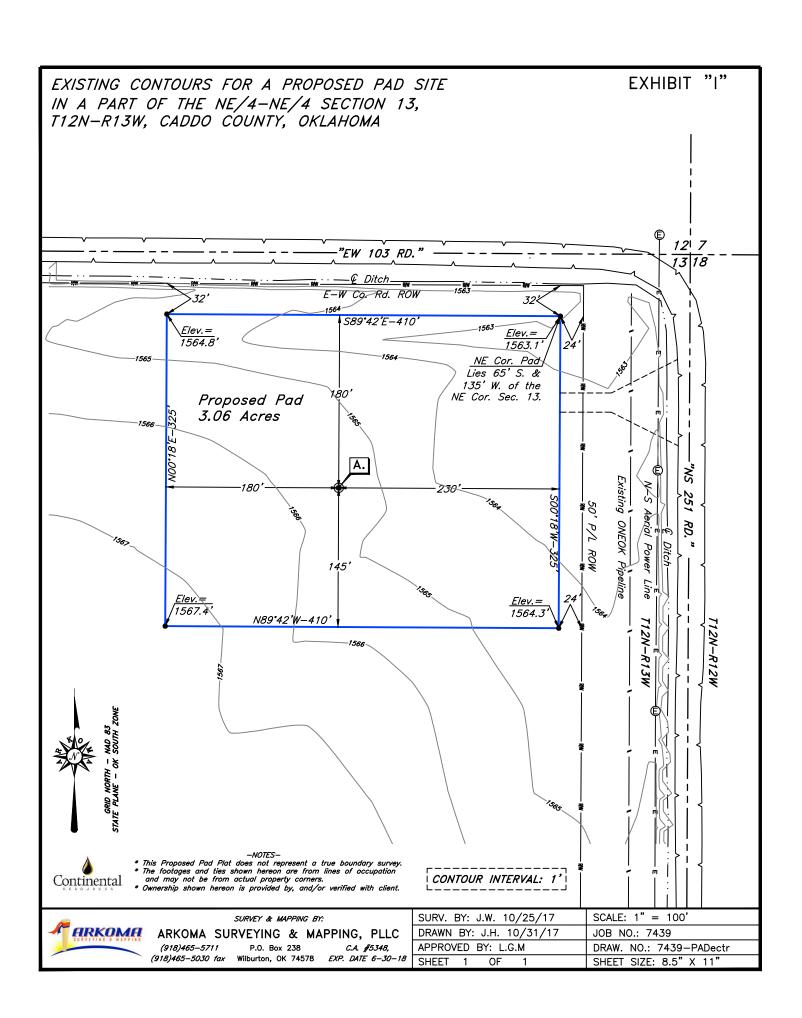
APPROVED BY: L.G.M.

SHEET SIZE: 8.5" X 11"

SHEET





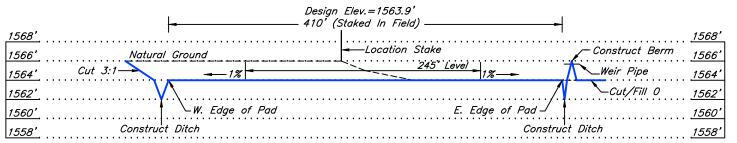


PLAT SHOWING AN ELEVATION CROSS—SECTION FOR A PROPOSED PAD SITE IN A PART OF THE NE/4—NE/4 SECTION 13, T12N—R13W, CADDO COUNTY, OKLAHOMA EXHIBIT "J"

		Design Elev.= 325' (Staked	=1563.9'		
1568'		325' (Staked	In Field) ————————————————————————————————————		1568'
1566	Construct Berm		Location Stake Nat	ural Ground	1566'
1564'	Weir Pipe	180' Level	2%-	Cut 3:1	1564'
1562'	Fill 2:1—-			/	1562'
1560'	· · · · · · · · · · · · · · · · · · ·				<u>1560'</u>
1558'	Constru	ct Ditch	Constru	ct Ditch	<u>1558'</u>

N-S CROSS SECTION OF PAD AREA

Scales: Horizontal: 1" = 100' Vertical: 1" = 10'



E-W CROSS SECTION OF PAD AREA

Scales:

Horizontal: 1" = 100' Vertical: 1" = 10'



-NOTES

SUREY & MAPPING BY:

KOMA SURVEYING & MAPPING, PLLC

9)465-5717 P.O. Box 238 CA #5348.

SCALE:

10/25/

^{*} This Proposed Pad Plat does not represent a true boundary survey. * The footages and ties shown hereon are from lines of occupation and may not be from actual property corners.

^{*} Ownership shown hereon is provided by, and/or verified with client.