API NUMBER: 011 23899

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: 12/06/2017 06/06/2018 **Expiration Date**

PERMIT TO DRILL

WELL LOCATION:	Sec:	13	Twp:	15N	Rge:	10W	County:	BLAINE

FEET FROM QUARTER: FROM SPOT LOCATION: SE | NE NE NW NORTH WEST SECTION LINES: 435 2418

Lease Name: HORSEFLY 13_24-15N-10W Well No: 6НХ Well will be 435 feet from nearest unit or lease boundary.

DEVON ENERGY PRODUCTION CO LP Operator Telephone: 4052353611: 4052353 OTC/OCC Number: 20751 0 Name:

DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE

OKLAHOMA CITY. OK 73102-5010 BARBARA ANN BORNEMANN 959 N BANNER ROAD

EL RENO OK 73036

Formation(s) (Permit Valid for Listed Formations Only):

Name Depth Name Depth MISSISSIPPIAN 1 9207 6 2 WOODFORD 10636 7 3 8 4 9 5 10 646358 Spacing Orders: Location Exception Orders: Increased Density Orders: 670190 594004

Pending CD Numbers: 201706153

> 201706187 201706180

Total Depth: 20073 Ground Elevation: 1285 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000

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

Within 1 mile of municipal water well?

Wellhead Protection Area?

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

Special Orders:

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

PERMIT NO: 17-33398

H. SEE MEMO

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 24 Twp 15N Rge 10W County **BLAINE** Spot Location of End Point: SE SE SF SW Feet From: SOUTH 1/4 Section Line: 50 Feet From: WEST 1/4 Section Line: 2380

Depth of Deviation: 9101 Radius of Turn: 400 Direction: 181

Total Length: 10344

Measured Total Depth: 20073

True Vertical Depth: 10743

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 11/7/2017 - 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 11/7/2017 - 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

INCREASED DENSITY - 670190 12/4/2017 - G58 - (I.O.) 24-15N-10W

X594004 MSSP, WDFD

10 WELLS

DEVON ENERGY PROD. CO., L.P.

11/17/17

INTERMEDIATE CASING 11/7/2017 - 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

Category Description

MEMO 11/7/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201706153 12/4/2017 - G58 - (I.O.) 13 & 24-15N-10W

EST. MULTIUNIT HORIZONTAL WELL X646358 (13-15N-10W) MSSP, WDFD X594004 (24-15N-10W) MSSP, WDFD

(WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)

50% 13-15N-10W 50% 24-15N-10W NO OP NAMED

REC 10/10/2017 (JACKSON)

X646358 MSSP, WDFD

10 WELLS

DEVON ENERGY PROD. CO., L.P. REC 10/10/2017 (JACKSON)

X646358 MSSP, WDFD 13-15N-10W X594004 MSSP, WDFD 24-15N-10W

X165:10-3-28(C)(2)(B) MSSP, WDFD (HORSEFLY 13_24-15N-10W 6HX)

MAY BE CLOSER THAN 600' TO ANY PROPOSED WELL, HORSEFLY 13_24-15N-10W 1HX, AND

CKR 24-15-10 1H

COMPL. INT. (13-15N-10W) NCT 165' FNL, NCT 0' FSL, NCT 1650' FWL COMPL. INT. (24-15N-10W) NCT 0' FNL, NCT 165' FSL, NCT 1650' FWL

DEVON ENERGY PROD. CO., L.P. REC 10/10/2017 (JACKSON)

SPACING - 594004 12/4/2017 - G58 - (640) 24-15N-10W

VAC 169866 CSTR

VAC 176175 MNNG, MSSSD

EXT 588576 WDFD

EST MSSP

SPACING - 646358 12/4/2017 - G58 - (640)(HOR) 13-15N-10W

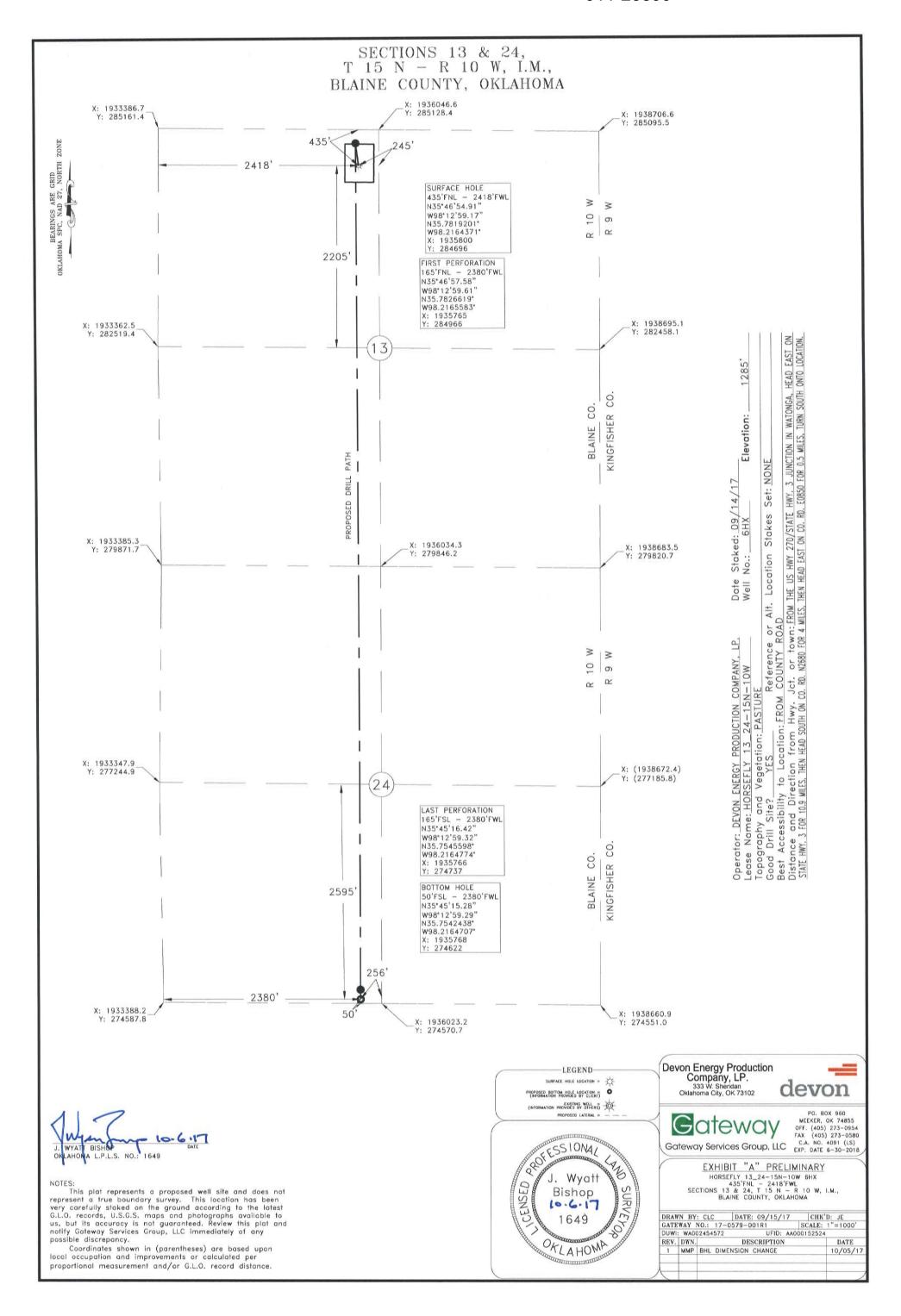
VAC 169866 CSTR

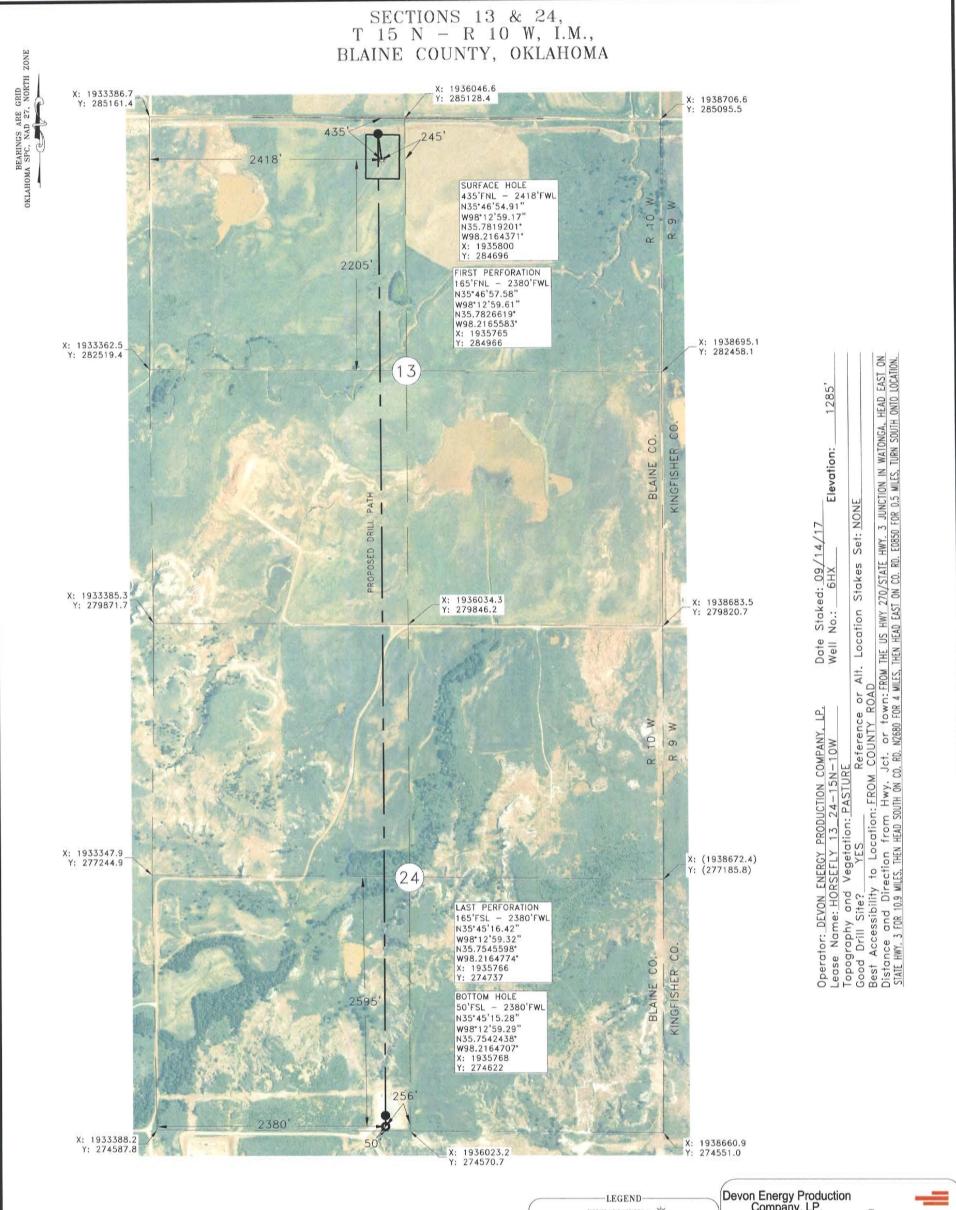
VAC 176175 MNNG, MSSSD, OTHER

EXT 641537 WDFD EST MSSP, OTHER

POE TO BHL (MSSP, OTHER) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL





NOTES:

This plat represents a proposed well site and does not represent a true boundary survey. This location has been very carefully staked on the ground according to the latest G.L.O. records, U.S.G.S. maps and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify Gateway Services Group, LLC immediately of any possible discreage.

possible discrepancy.

Coordinates shown in (parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distance.



PROPOSED BOTTOM HOLE LOCATION = (INFORMATION PROVIDED BY CLIENT) (INFORMATION PROVIDED BY OTHERS) PROPOSED LATERAL



Company, LP. 333 W. Sheridan Oklahoma City, OK 73102



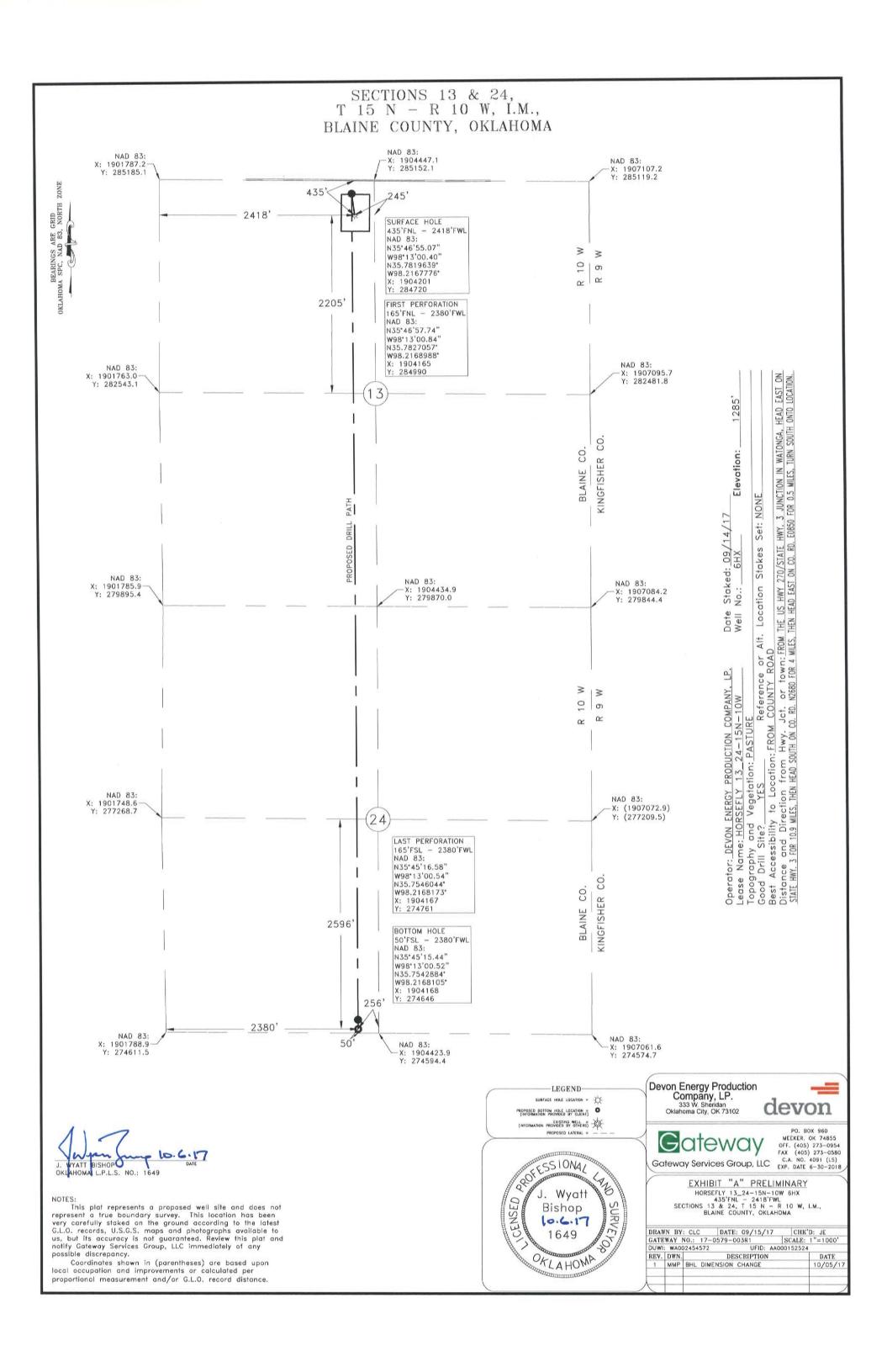


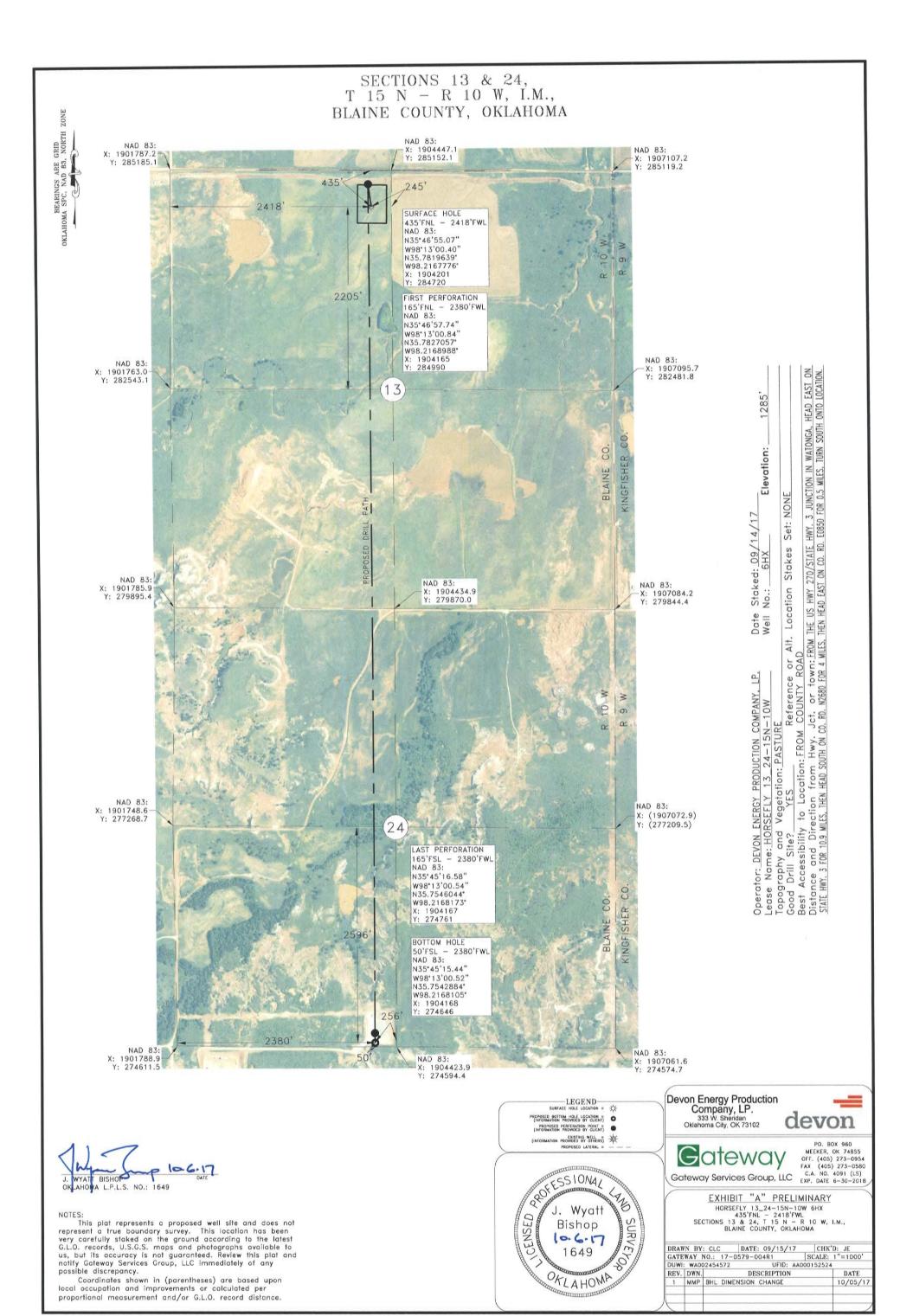
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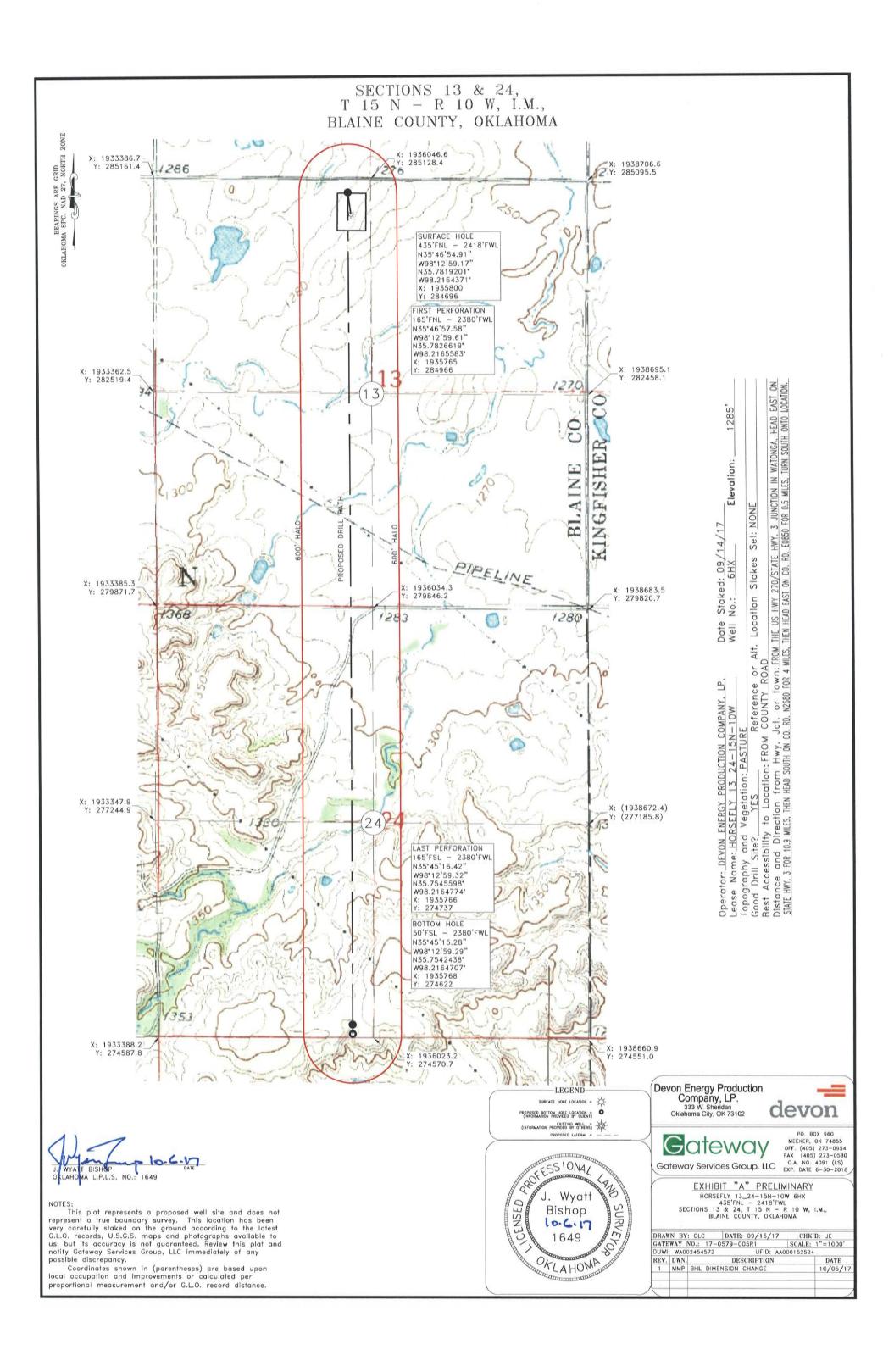
EXHIBIT "A" PRELIMINARY

HORSEFLY 13_24-15N-10W 6HX 435'FNL - 2418'FWL SECTIONS 13 & 24, T 15 N - R 10 W, I.M., BLAINE COUNTY, OKLAHOMA

		NO.: 17-0579-002 02454572	UFID: AAO	MARKET STREET,	1"=1000'
REV.	DWN.	DESCI	RIPTION		DATE
1	MMP	BHL DIMENSION CH	ANGE		10/05/17







SECTION 13, T 15 N - R 10 W, I.M., BLAINE COUNTY, OKLAHOMA GRID NORTH ZONE N BEARINGS ARE GRI OKLAHOMA SPC, NAD 27, N 123 27 1/28 α ليا エ S E0785 4 12 11 5 Z 713 16 21 24 26 27 30 32 35 2 10 12 T 15 18 N 36'45'00" 272 30 27 28 32/ 33 34 R10W LEGEND SURFACE HOLE LOCATION = PROPOSED BOTTOM HOLE LOCATION = (INFORMATION PROVIDED BY CLIENT) (INFORMATION PROVIDED BY OTHERS) Devon Energy Production Company, LP. 333 W. Sheridan Oklahoma City, OK 73102 devon PO. BOX 960 MEEKER, OK 74855 OFF. (405) 273-0954 Gateway Services Group, LLC PO. BOX 960 MEEKER, OK 74855 OFF. (405) 273-0580 CA. NO. 4091 (LS) EXP. DATE 6-30-2018 EXHIBIT "A" PRELIMINARY HORSEFLY 13.24-15N-10W 6HX 435'FNL - 2418'FWL SECTION 13, T 15 N - R 10 W, I.M., BLAINE COUNTY, OKLAHOMA NOTES: This plat represents a proposed well site and does not represent a true boundary survey. This location has been very carefully staked on the ground according to the latest G.L.O. records, U.S.G.S. maps and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy. Coordinates shown in (parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distance. DATE 10/05/17

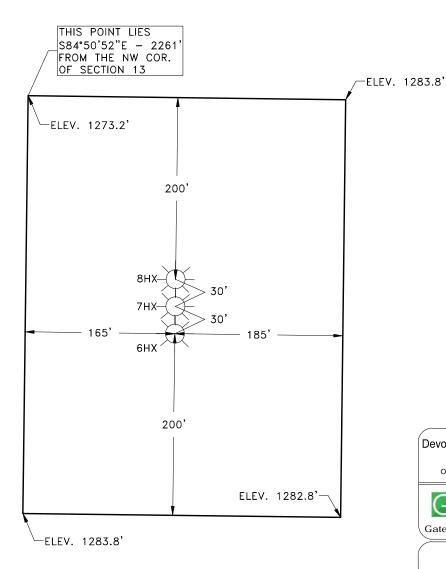
SECTIONS 13 & 24, T 15 N - R 10 W, I.M., BLAINE COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE

NAD27 - XY						
POSITION	NORTHING	EASTING				
SURFACE HOLE	284696.4	1935800.1				
FIRST PERFORATION	284966.5	1935764.7				
LAST PERFORATION	274737.2	1935765.9				
BOTTOM HOLE	274622.2	1935767.7				

NAD27 - LAT AND LONG (DMS)					
POSITION	LATITUDE	LONGITUDE			
SURFACE HOLE	N35°46'54.91"	W98°12'59.17"			
FIRST PERFORATION	N35°46'57.58"	W98°12'59.61"			
LAST PERFORATION	N35°45'16.42"	W98°12'59.32"			
BOTTOM HOLE	N35°45'15.28"	W98°12'59.29"			

NAD27 - LAT	AND LONG (D	ECIMAL)
POSITION	LATITUDE	LONGITUDE
SURFACE HOLE	N35.781920	W98.216437
FIRST PERFORATION	N35.782662	W98.216558
LAST PERFORATION	N35.754560	W98.216477
BOTTOM HOLE	N35.754244	W98.216471



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-LEGEND-SURFACE HOLE LOCATION =

PROPOSED BOTTOM HOLE LOCATION = (INFORMATION PROVIDED BY CLIENT) EXISTING WELL = (INFORMATION PROVIDED BY OTHERS)

Devon Energy Production Company, LP. 333 W. Sheridan Oklahoma City, OK 73102





DRAW	N BY	: CLC	DAT:	E: 09/15/	17	CHK	D: JE
GATE	GATEWAY NO.: 17-0579-007R1 SCALE:						N.T.S.
DUWI:	DUWI: WA002454572 UFID: AA000152524						
REV.	DWN.		DI	ESCRIPTION	V		DATE
1	ммР	BHL	DIMENSION	CHANGE			10/05/17
							/