

API NUMBER: 011 24294

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

Approval Date: 12/22/2021
Expiration Date: 06/22/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 15N Range: 10W County: BLAINE

SPOT LOCATION: ☐ SE ☐ NW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 388 2009

Lease Name: DAKOTA CAROL 27_34-15N-10W Well No: 5HX Well will be 388 feet from nearest unit or lease boundary.

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

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY, OK 73102-5015

PERRY & KAREN CASTONGUAY
268877 E. 830 RD
OMEGA OK 73764

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	9850
2	MISSISSIPPI SOLID	351MSSSD	10560
3	WOODFORD	319WDFD	11280

Spacing Orders: 646548
641407
721366

Location Exception Orders: 721641

Increased Density Orders: 721252
721253

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 20726

Ground Elevation: 1494

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 40

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37915
H. (Other) SEE MEMO

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? 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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

MULTI UNIT HOLE 1

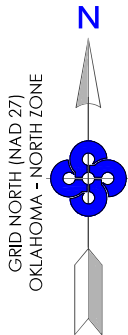
Section: 34	Township: 15N	Range: 10W	Meridian: IM	Total Length: 9714
	County: BLAINE			Measured Total Depth: 20726
Spot Location of End Point: SE	SW	SE	SE	True Vertical Depth: 12000
Feet From: SOUTH		1/4 Section Line: 50		End Point Location from
Feet From: EAST		1/4 Section Line: 845		Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[12/20/2021 - GC2] - 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	<p>[12/20/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
INCREASED DENSITY - 721252	<p>[12/22/2021 - G56] - (I.O.) 27-15N-10W X646548 MSSSD 4 WELLS DEVON ENERGY PROD CO, LP 10/21/2021</p>
INCREASED DENSITY - 721253	<p>[12/22/2021 - G56] - (I.O.) 34-15N-10W X641407 MSSP 3 WELLS DEVON ENERGY PROD CO, LP 10/21/2021</p>
INTERMEDIATE CASING	[12/20/2021 - GC2] - 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
LOCATION EXCEPTION - 721641	<p>[12/22/2021 - G56] - (I.O.) 27 & 34-15N-10W X646548 MSSSD, WDFD X641407 MSSP, WDFD X165:10-3-28(C)(2)(B) MSSSD (DAKOTA CAROL 27 34-15N-10W 5HX) MAY BE CLOSER THAN 600' TO DAKOTA CAROL 27_34-15N-10W 4HX WELL COMPL INT (27-15N-10W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (34-15N-10W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL DEVON ENERGY PROD CO, LP 10/27/2021</p>
MEMO	[12/20/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 641407	[12/22/2021 - G56] - (640) 34-15N-10W EXT 637732 MSSP, WDFD, OTHER
SPACING - 646548	[12/22/2021 - G56] - (640) 27-15N-10W EXT 94784 CSTR EXT 588576 MSSSD EXT 641407 WDFD, OTHER
SPACING - 721366	<p>[12/22/2021 - G56] - (I.O.) 27 & 34-15N-10W EST MULTIUNIT HORIZONTAL WELL X646548 MSSSD, WDFD X641407 MSSP, WDFD (WDFD IS ADJACENT CSS TO MSSSD, MSSP) 50% 27-15N-10W 50% 34-15N-10W DEVON ENERGY PROD CO, LP 10/27/2021</p>

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

011 24294 DAKOTA CAROL 27_34-15N-10W 5HX



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: DAKOTA CAROL 27_34-15N-10W

WELL NO. 5HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1494.37' GR. AT STAKE

SURFACE HOLE FOOTAGE: 2009' FEL - 388' FNL

SECTION: 27 TOWNSHIP: T15N RANGE: R10W

BOTTOM HOLE: 34-T15N-R10W I.M.

ACCESSIBILITY TO LOCATION: FROM NORTH LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

FROM THE INTERSECTION OF HWY 281 & HWY 33 IN

WATONGA, GO E. ON HWY 33 4 MI. TO N2610 RD. GO S. 7 MI.
TO E0880 RD. GO E. 5.5 MI. WELL PAD ON S. SIDE OF RD.

PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED. GPS DATA IS OBSERVED FROM RTK-GPS.

NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

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BLAINE COUNTY, OKLAHOMA
2009' FEL - 388' FNL SECTION 27 TOWNSHIP 15N RANGE 10W I.M.

SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1926083.7

Y: 274255.0

GPS DATUM: NAD27

LAT: 35.75317122

LONG: -98.24910349

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1894484.3

Y: 274278.7

GPS DATUM: NAD83

LAT: 35.75321567

LONG: -98.24944450

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1927226.7

Y: 264128.4

GPS DATUM: NAD27

LAT: 35.72535938

LONG: -98.24516527

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1895627.5

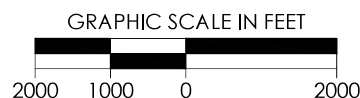
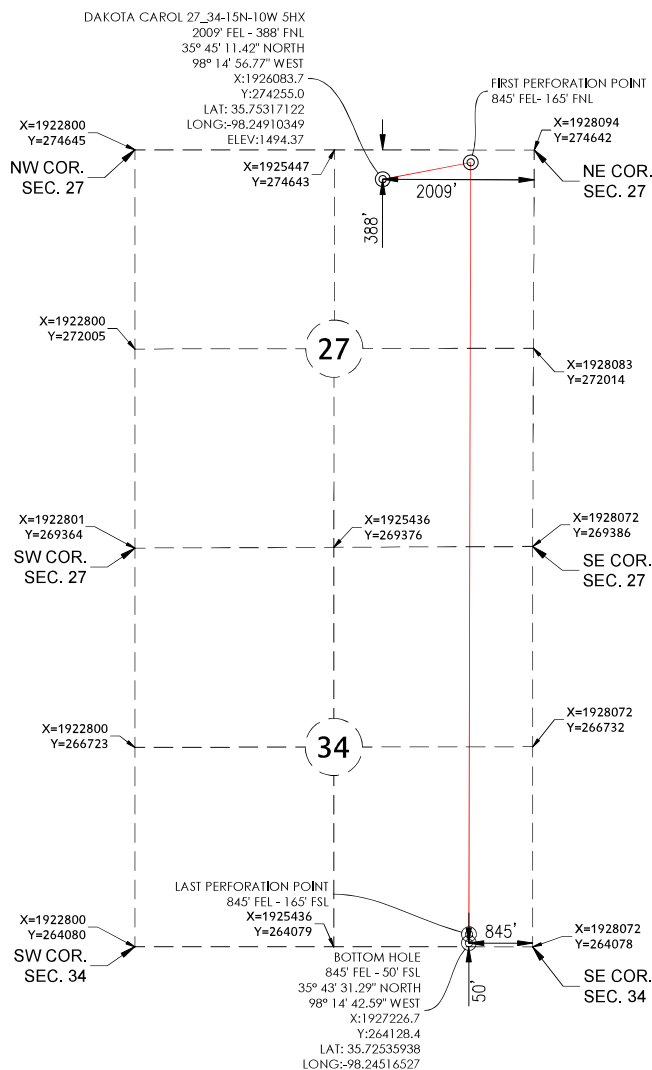
Y: 264152.2


GPS DATUM: NAD83

LAT: 35.72540468

LONG: -98.24550562

BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.



REVISION		"DAKOTA CAROL 27_34-15N-10W 5HX"		
		PART OF THE NE/4 OF SECTION 27, T-15-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 01-21-2021	DRAWN BY: JJ	SHEET NO.: 1 OF 6

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: DAKOTA CAROL 27_34-15N-10W

WELL NO. 5HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1494.37' GR. AT STAKE

SURFACE HOLE FOOTAGE: 2009' FEL - 388' FNL

SECTION: 27 TOWNSHIP: T15N RANGE: R10W
BOTTOM HOLE: 34-T15N-R10W I.M.

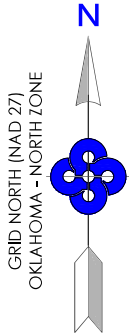
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BLAINE COUNTY, OKLAHOMA
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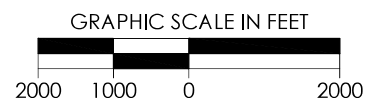
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BOTTOM HOLE

INFORMATION PROVIDED

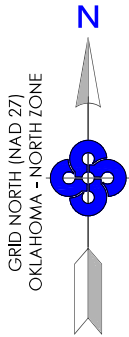
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300 Pointe Parkway Blvd.
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craffontull.com
Craffon Tull
SURVEYING CA973(PE/LS) Exp. 6/30/22



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INFORMATION PROVIDED
BY OPERATOR LISTED.



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LEASE NAME: DAKOTA CAROL 27_34-15N-10W

WELL NO. 5HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

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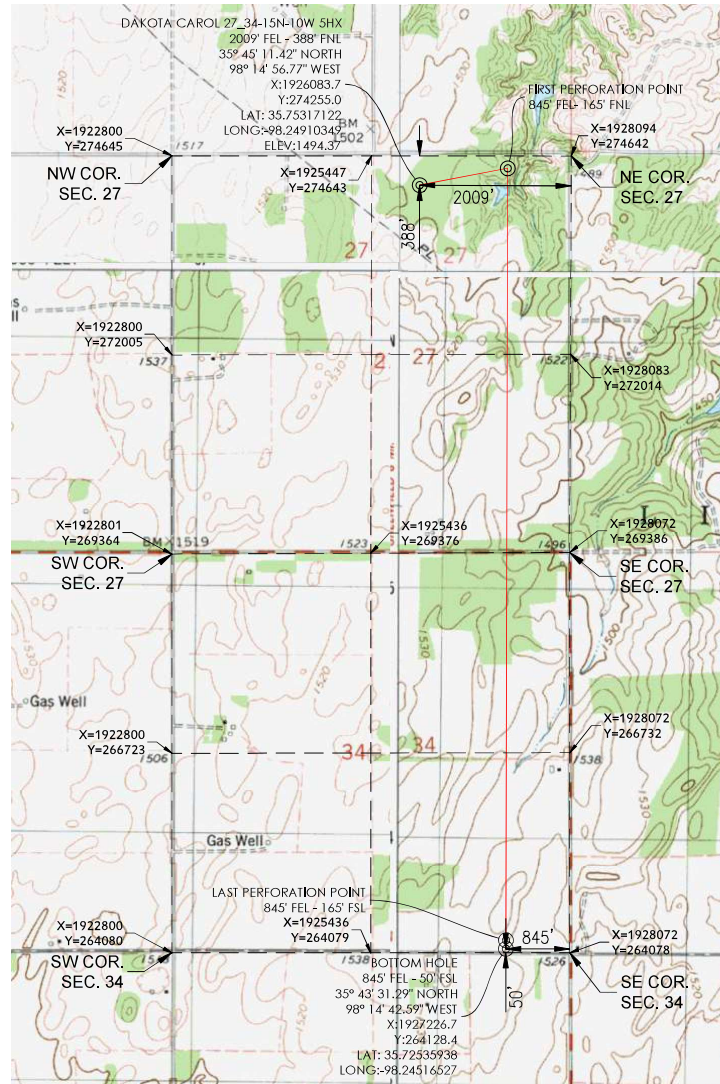
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BLAINE COUNTY, OKLAHOMA
2009' FEL - 388' FNL SECTION 27 TOWNSHIP 15N RANGE 10W I.M.

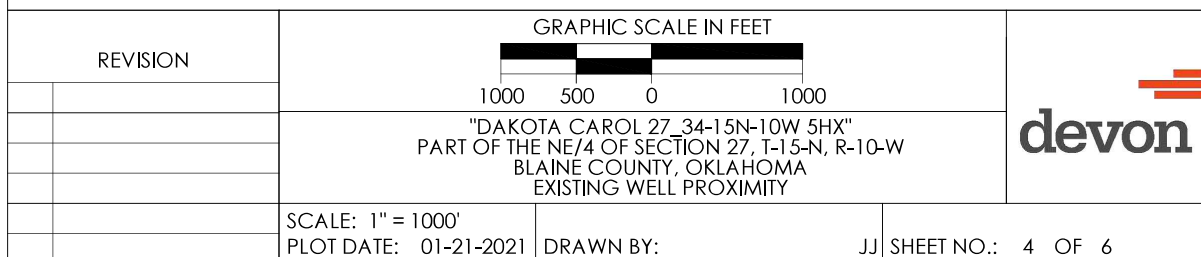


GRAPHIC SCALE IN FEET



REVISION		"DAKOTA CAROL 27_34-15N-10W 5HX"		
		PART OF THE NE/4 OF SECTION 27, T-15-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 01-21-2021	DRAWN BY: JJ	SHEET NO.: 3 OF 6

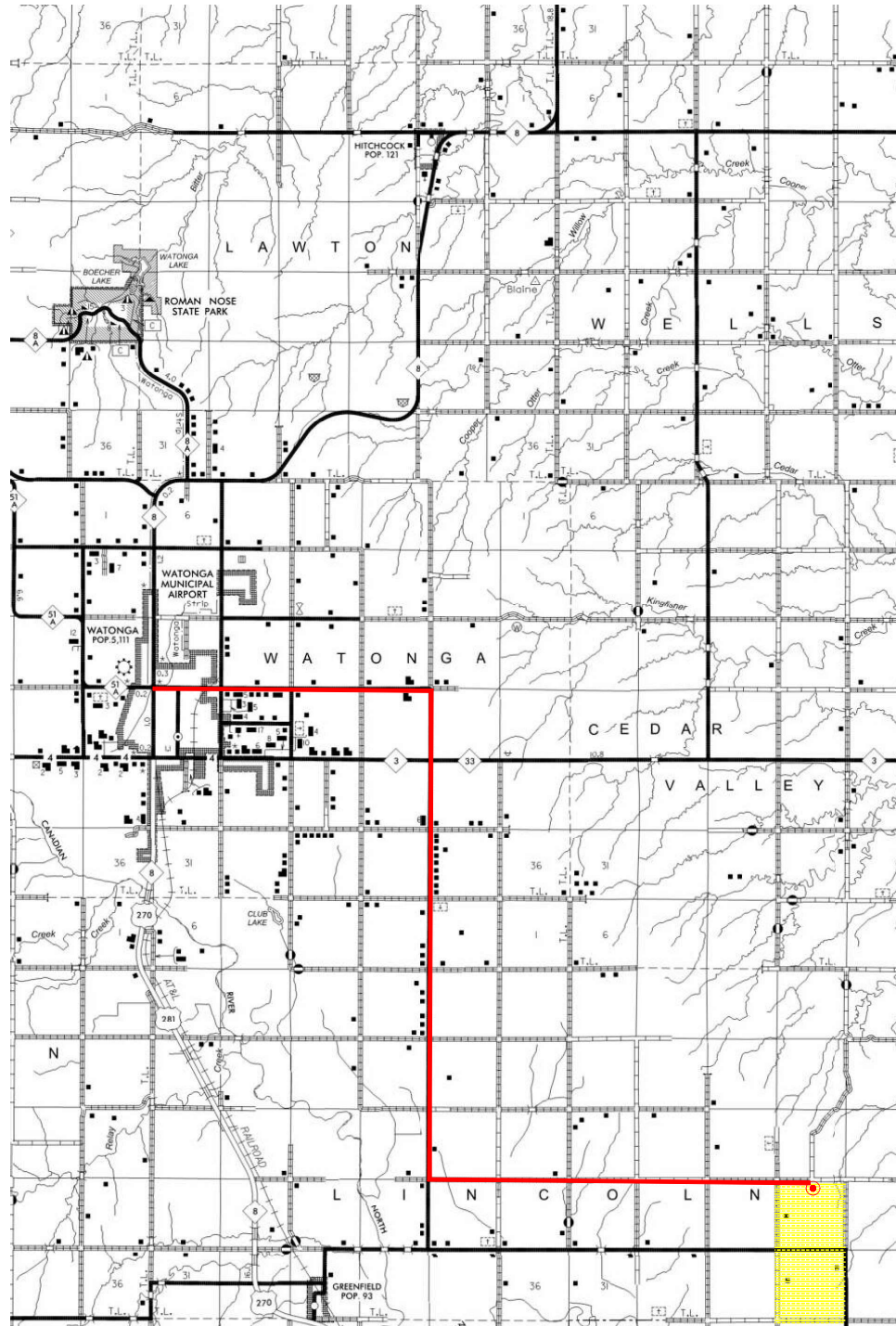
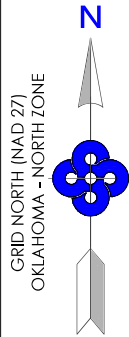
BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.
EXISTING WELL LOCATIONS TAKEN FROM CORPORATION
COMMISSION RECORDS AND MAY NOT ENCOMPASS ALL WELLS
CURRENTLY PERMITTING OR OTHERWISE ABSENT FROM THE RECORDS
AT THE TIME OF THIS EXHIBIT.





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SURVEYING CA973(P/E)(S) Exp. 6/30/22

VICINITY MAP




SEC. 27 TWP. 15N RNG. 10W

COUNTY: BLAINE STATE: OK

OPERATOR: Devon Energy Production Company, L.P.

GRAPHIC SCALE IN MILES



REVISION	"DAKOTA CAROL 27_34-15N-10W 5HX"		 devon
	SCALE: 1/2" = 1 MILE PLOT DATE: 01-21-2021	DRAWN BY:	JJ SHEET NO.: 5 OF 6

300 Pointe Parkway Blvd.
Yukon, OK 73099
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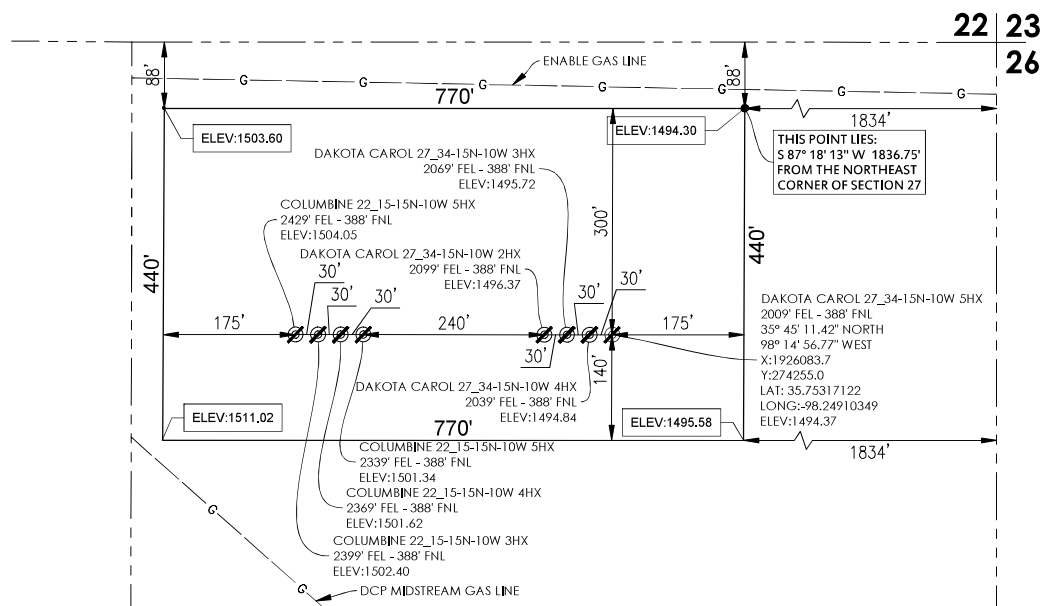
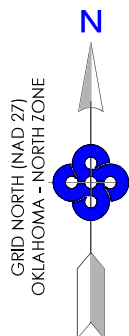
22	23
	26

T 15 N

27

DAKOTA CAROL 27_34-15N-10W 5HX
2009° FEL - 388' FNL
35° 45' 11.42" NORTH
98° 14' 56.77" WEST
X:1926083.7
Y:274255.0
LAT: 35.75317122
LONG:-98.24910349
ELEV:1494.37



2009' FEL - 388' FNL **SECTION 27** TOWNSHIP 15N RANGE 10W I.M.



**PROPOSED PAD
V-Door NORTH**

GRAPHIC SCALE IN FEET



REVISION		"DAKOTA CAROL 27_34-15N-10W 5HX"		
		PART OF THE NE/4 OF SECTION 27, T-15-N, R-10-W PROPOSED PAD SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 200'	DRAWN BY:	JJ SHEET NO.: 6 OF 6
		PLOT DATE: 01-21-2021		