

API NUMBER: 011 24309

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

Approval Date: 04/19/2022

Expiration Date: 10/19/2023

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 15N Range: 11W County: BLAINE

SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 280 2176

Lease Name: COWAN 15_10-15N-11W Well No: 2HX Well will be 280 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

RODNEY E. COWAN
85651 N. 2610 N. RD.
WATONGA OK 73772

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10065
2	WOODFORD	319WDFD	11675

Spacing Orders: 646108	Location Exception Orders: 714826	Increased Density Orders: 721137
649479	721139	721138
714825		714963
		714964

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 21616 Ground Elevation: 1448

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 90

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: 22-38246

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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

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: 10	Township: 15N	Range: 11W	Meridian: IM	Total Length: 10354
	County: BLAINE			Measured Total Depth: 21616
Spot Location of End Point:	NE	NE	NE	NW
	Feet From: NORTH		1/4 Section Line: 50	End Point Location from
	Feet From: WEST		1/4 Section Line: 2311	Lease, Unit, or Property Line: 50
				True Vertical Depth: 12000

NOTES:

Category	Description
DEEP SURFACE CASING	[4/18/2022 - 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>[4/18/2022 - 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 6000NH 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 - 714963	<p>[4/19/2022 - G56] - 15-15N-11W X649479 MSSP 4 WELLS NO OP NAMED 10/20/2020</p>
INCREASED DENSITY - 714964	<p>[4/19/2022 - G56] - 10-15N-11W X646108 MSSP 4 WELLS NO OP NAMED 10/20/2020</p>
INCREASED DENSITY - 721137	[4/19/2022 - G56] - EXT OF TIME FOR ORDER # 714963
INCREASED DENSITY - 721138	[4/19/2022 - G56] - EXT OF TIME FOR ORDER # 714964
INTERMEDIATE CASING	[4/18/2022 - 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 - 714826	<p>[4/19/2022 - G56] - (I.O.) 10 & 15-15N-11W X646108 MSSP, WDFD 10-15N-11W X649479 MSSP, WDFD 15-15N-11W X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' PROPOSED WELLS COMPL. INT. (15-15N-11W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (10-15N-11W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL DEVON ENERGY PROD CO, LP 10/8/2020</p>
LOCATION EXCEPTION - 721139	[4/19/2022 - G56] - EXT OF TIME FOR ORDER # 714826
MEMO	[4/18/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 646108	<p>[4/19/2022 - G56] - (640)(HOR) 10-15N-11W EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>
SPACING - 649479	<p>[4/19/2022 - G56] - (640)(HOR) 15-15N-11W EXT 646108 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>
SPACING - 714825	<p>[4/19/2022 - G56] - (I.O.) 10 & 15-15N-11W EST MULTIUNIT HORIZONTAL WELL X646108 MSSP, WDFD 10-15N-11W X649479 MSSP, WDFD 15-15N-11W (WDFD ADJACENT COMMON SOURCES OF SUPPLY TO MSSP) 50% 10-15N-11W 50% 15-15N-11W DEVON ENERGY PROD. CO., L.P. 4/4/2019</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.

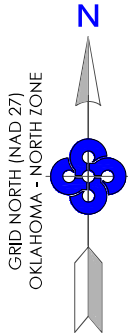
011 24309 COWAN 15_10-15N-11W 2HX

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: COWAN 15_10-15N-11W
WELL NO. 2HX
GOOD DRILL SITE: YES
BLAINE COUNTY, STATE: OK
GROUND ELEVATION: 1447.71' GR. AT STAKE
SURFACE HOLE FOOTAGE: 2176' FEL - 280' FNL
SECTION: 22 TOWNSHIP: T15N RANGE: R11W
BOTTOM HOLE: 10-T15N-R11W I.M.
ACCESSIBILITY TO LOCATION: FROM SOUTH LINE
TOPOGRAPHY & VEGETATION: _____
LOCATION FELL IN A FIELD _____

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: _____
AT THE JCT. OF OK-8 & OK-3 HEAD WEST ± 4.0 MI TO
N2610RD. HEAD SOUTH ± 5.0 MI TO E860RD. HEAD WEST
 ± 0.4 MI. PAD IS ON SOUTH OF ROAD.

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. QUARTER SECTION DISTANCES MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.



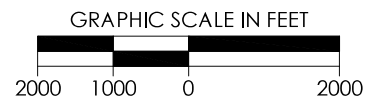
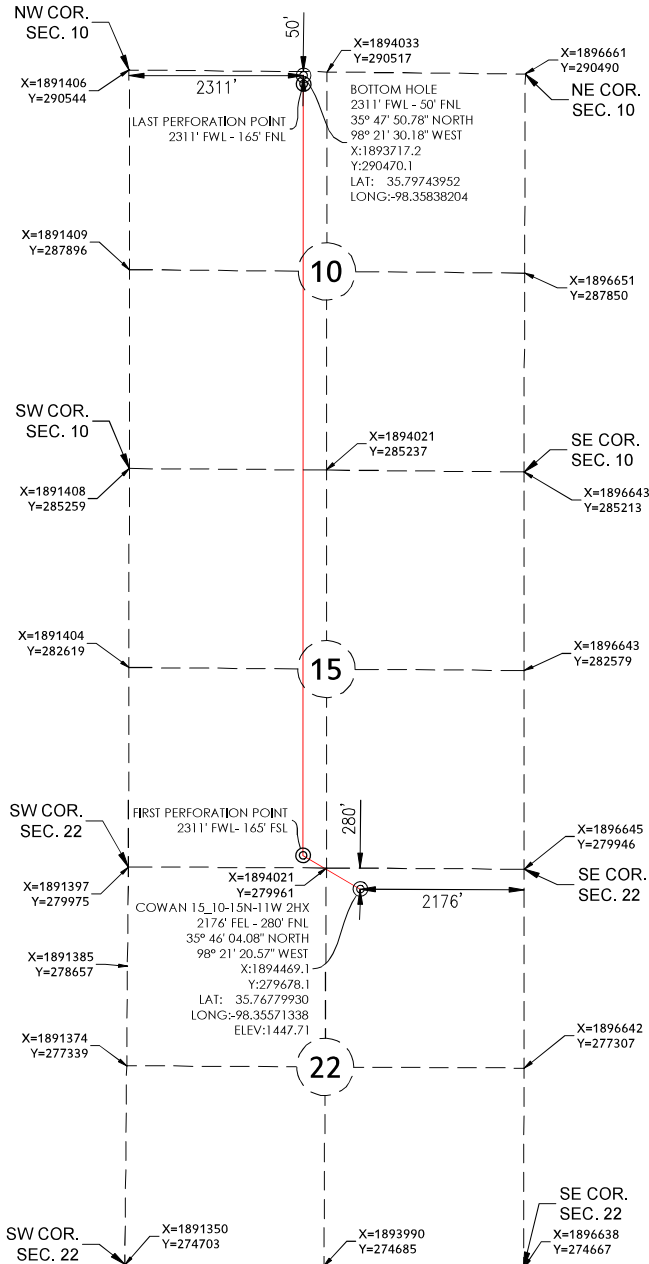
SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1894469.1
Y: 279678.1
GPS DATUM: NAD27
LAT: 35.76779930
LONG: -98.35571338
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1862869.0
Y: 279702.2
GPS DATUM: NAD83
LAT: 35.76784418
LONG: -98.35605938


BOTTOM HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1893717.2
Y: 290470.1
GPS DATUM: NAD27
LAT: 35.79743952
LONG: -98.35838204
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ZONE: OK-NORTH NAD83
X: 1862116.9
Y: 290494.2
GPS DATUM: NAD83
LAT: 35.79748361
LONG: -98.35872897

BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.



BLAINE COUNTY, OKLAHOMA
2176' FEL - 280' FNL SECTION 22 TOWNSHIP 15N RANGE 11W I.M.



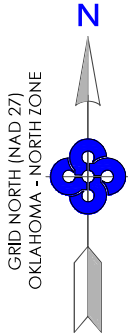
REVISION		"COWAN 15_10-15N-11W 2HX"		
		PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 04-05-2022	DRAWN BY: JJ SHEET NO.: 1 OF 6	

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: COWAN 15_10-15N-11W
WELL NO. 2HX
GOOD DRILL SITE: YES
BLAINE COUNTY, STATE: OK
GROUND ELEVATION: 1447.71' GR. AT STAKE
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LOCATION FELL IN A FIELD

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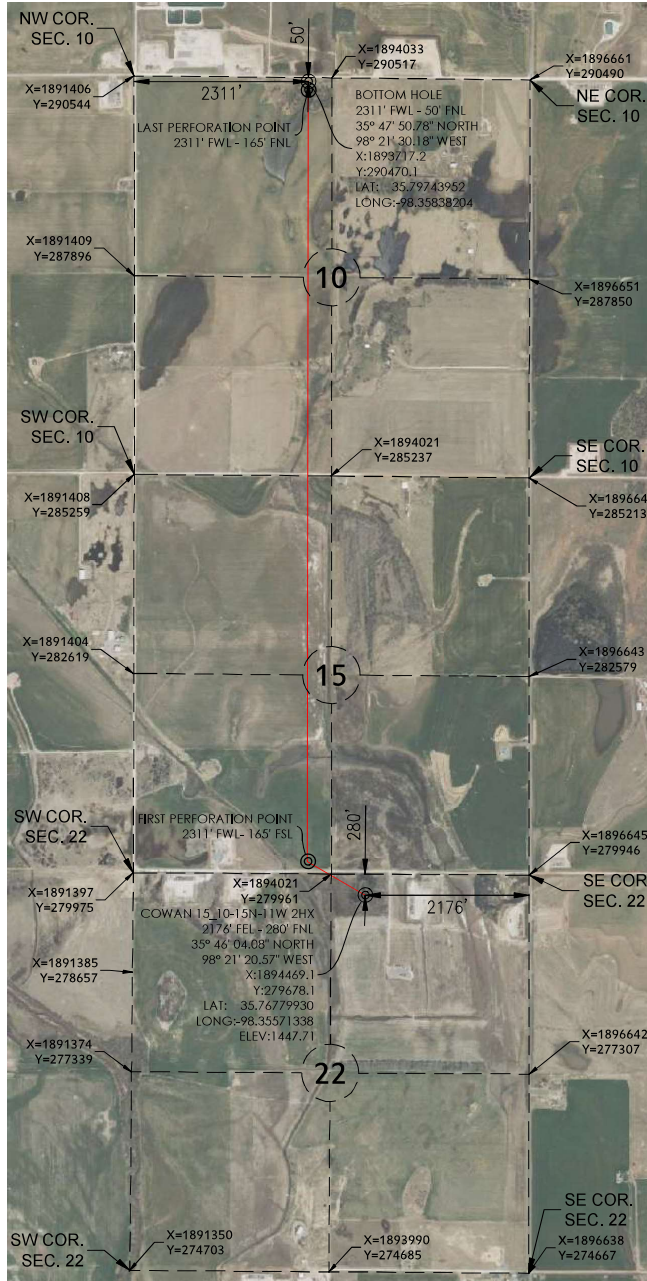
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BOTTOM HOLE
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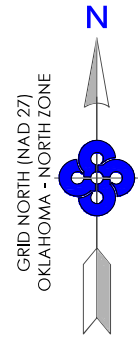
BLAINE COUNTY, OKLAHOMA
2176' FEL - 280' FNL SECTION 22 TOWNSHIP 15N RANGE 11W I.M.



GRAPHIC SCALE IN FEET



REVISION		"COWAN 15_10-15N-11W 2HX"		 devon
		PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 04-05-2022	DRAWN BY: JJ	SHEET NO.: 2 OF 6



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: COWAN 15_10-15N-11W

WELL NO. 2HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1447.71' GR. AT STAKE

SURFACE HOLE FOOTAGE: 2176' FEL - 280' FNL

SECTION: 22 TOWNSHIP: 15N RANGE: R11W

BOTTOM HOLE: 10-T15N-R11W.I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
AT THE JCT. OF OK-8 & OK-3 HEAD WEST ±4.0MI TO
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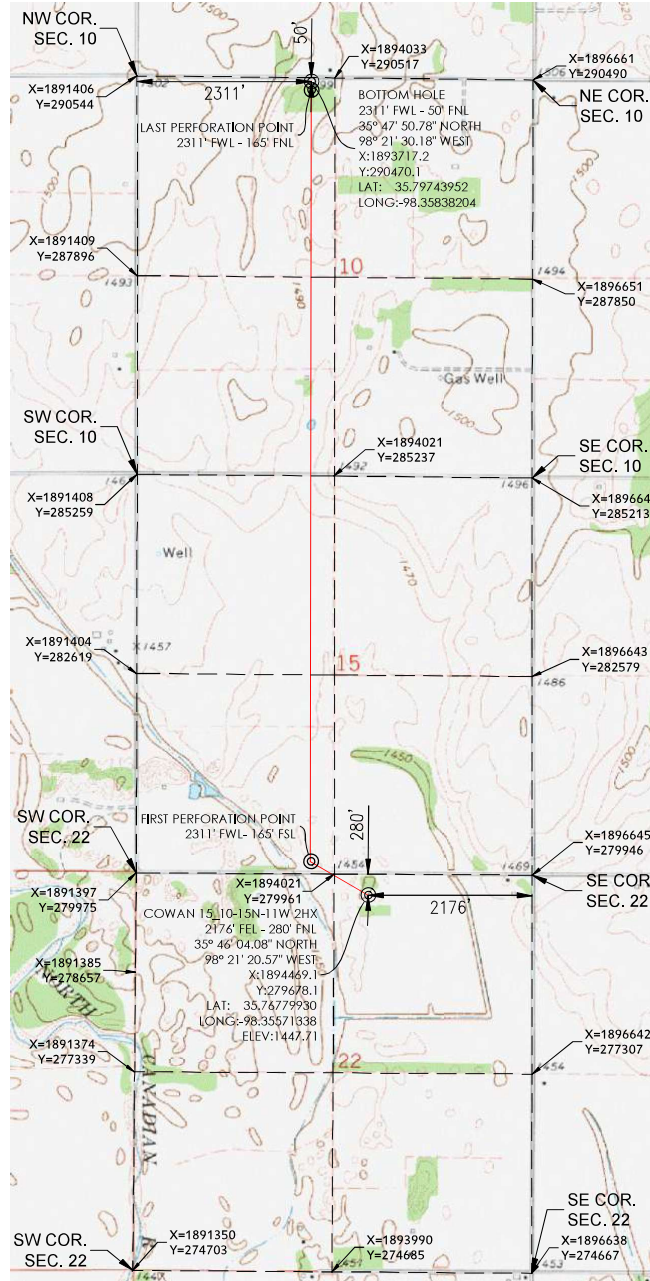
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INFORMATION PROVIDED
BY OPERATOR LISTED.




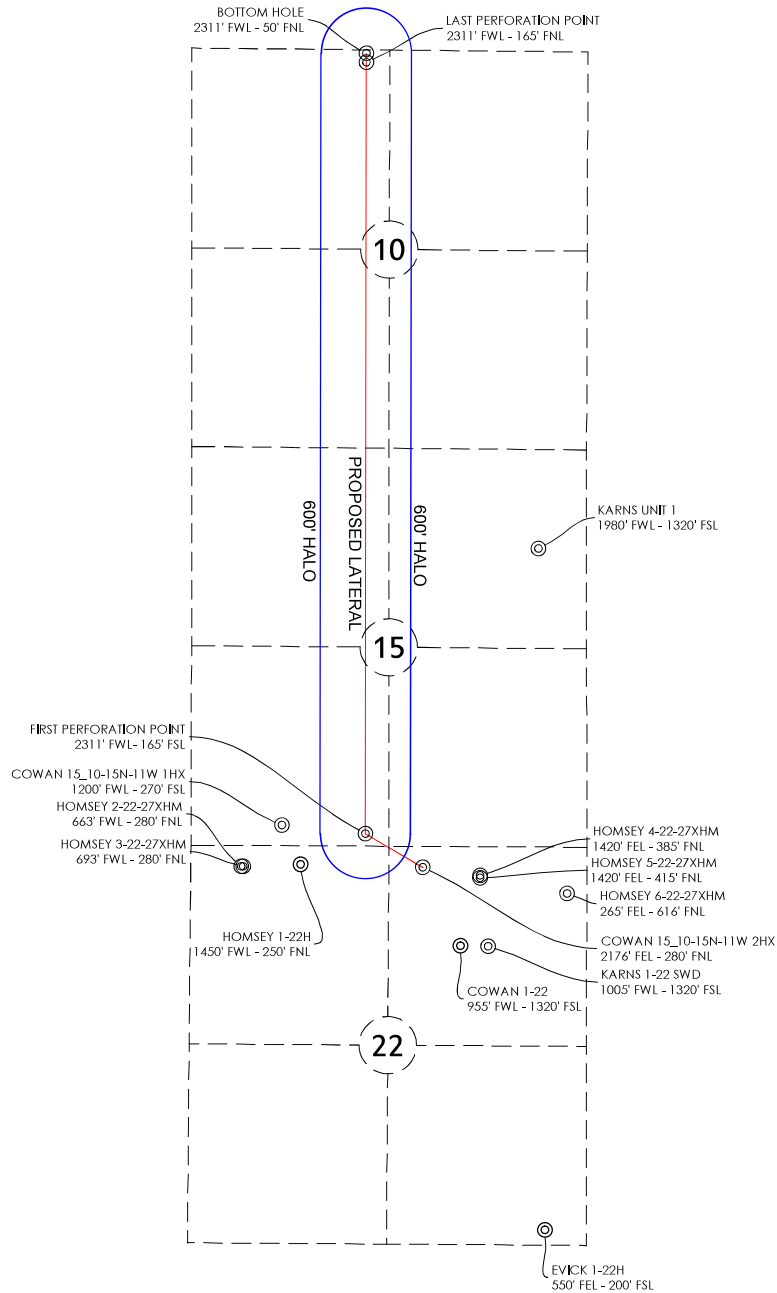
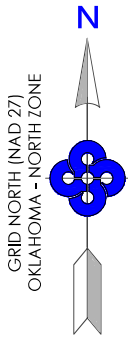
BLAINE COUNTY, OKLAHOMA
2176' FEL - 280' FNL SECTION 22 TOWNSHIP 15N RANGE 11W I.M.




GRAPHIC SCALE IN FEET



REVISION		"COWAN 15_10-15N-11W 2HX"		
		PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 04-05-2022	DRAWN BY: JJ SHEET NO.: 3 OF 6	



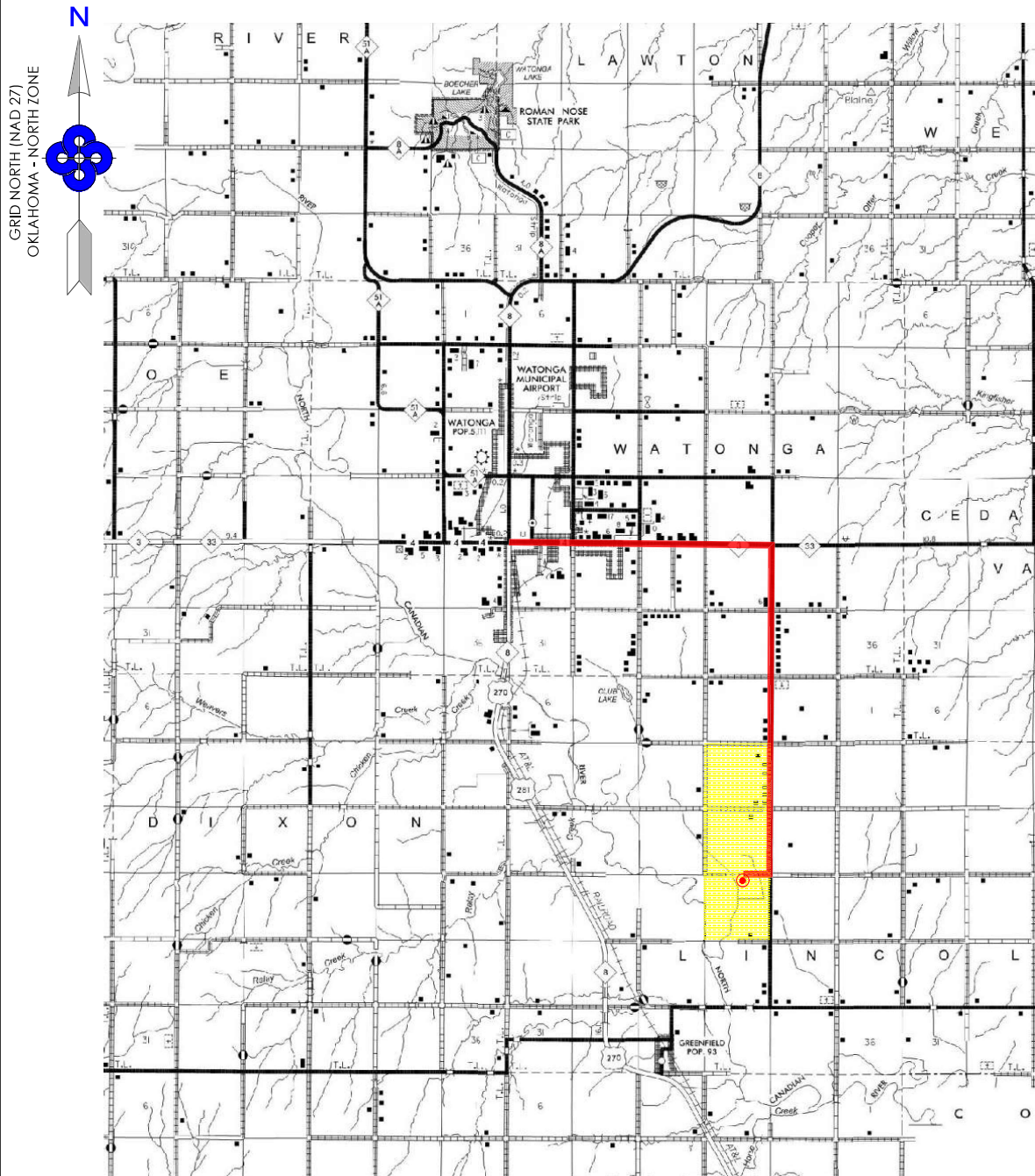
BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.
EXISTING WELL LOCATIONS TAKEN FROM CORPORATION
COMMISSION RECORDS AND MAY NOT ENCOMPASS ALL WELLS
CURRENTLY PERMITTING OR OTHERWISE ABSENT FROM THE RECORDS
AT THE TIME OF THIS EXHIBIT.

REVISION		GRAPHIC SCALE IN FEET		
		1000 500 0 1000		
		"COWAN 15_10-15N-11W 2HX" PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W BLAINE COUNTY, OKLAHOMA EXISTING WELL PROXIMITY		
		SCALE: 1" = 1000'	PLOT DATE: 04-05-2022	DRAWN BY: JJ SHEET NO.: 4 OF 6



300 Pointe Parkway Blvd.
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craftontull.com
Crafton Tull
SURVEYING ©A973/PE/LSI Exp. 6/30/22

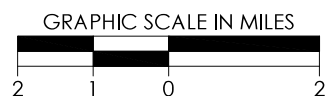
VICINITY MAP




SEC. 22 TWP. 15N RNG. 11W

COUNTY: BLAINE STATE: OK

OPERATOR: Devon Energy Production Company, L.P.



REVISION		"COWAN 15_10-15N-11W 2HX"		 devon
		PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1/2" = 1 MILE	DRAWN BY: JJ	SHEET NO.: 5 OF 6
		PLOT DATE: 04-05-2022		



300 Pointe Parkway Blvd.
Yukon, OK 73099
405.787.6270 t 405.787.6276 f
www.craftontull.com
SURVEYING cA973(PE)(LS) Exp. 6/30/22

Crafton Tull

R 11 W

VICINITY MAP
SCALE: 1" = 1000'

22

T 15 N

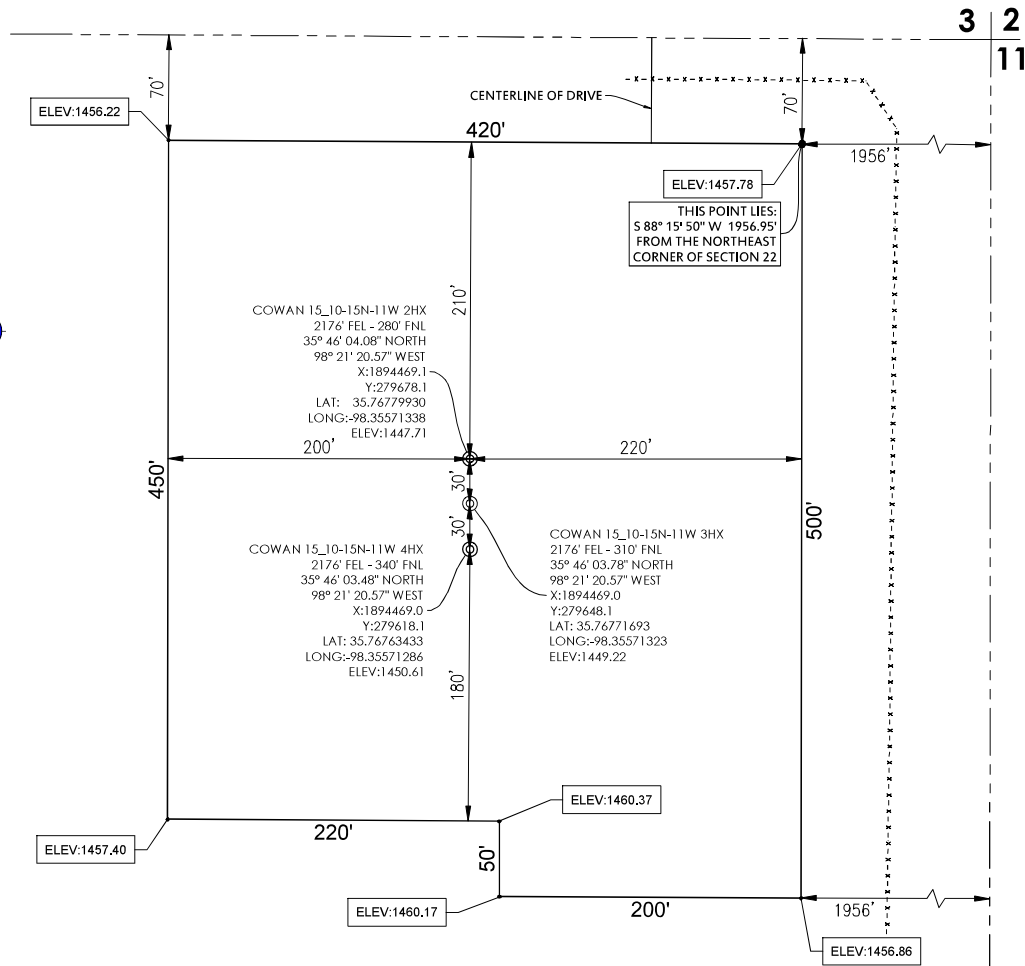
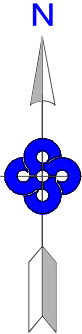
15 14
23

COWAN 15_10-15N-11W 2HX
2176' FEL - 280' FNL
35° 46' 04.08" NORTH
98° 21' 20.57" WEST
X:1894469.1
Y:279678.1
LAT: 35.767779930
LONG:-98.35571338
ELEV:1447.71

BLAINE COUNTY, OKLAHOMA

2176' FEL - 280' FNL SECTION 22 TOWNSHIP 15N RANGE 11W I.M.


GRID NORTH (NAD 27)
OKLAHOMA - NORTH ZONE



PROPOSED PAD
V-Door EAST

GRAPHIC SCALE IN FEET



REVISION		"COWAN 15_10-15N-11W 2HX"		<div>devon</div>	
		PART OF THE NE/4 OF SECTION 22, T-15-N, R-11-W PROPOSED PAD SITE BLAINE COUNTY, OKLAHOMA			
		SCALE: 1" = 100'			
		PLOT DATE: 04-05-2022	DRAWN BY: JJ	SHEET NO.:	6 OF 6