

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

API NUMBER: 011 24225

Approval Date: 06/17/2019

Expiration Date: 12/17/2020

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 18N Rge: 13W County: BLAINE
SPOT LOCATION: ☐ SE ☐ SE ☐ SE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2491 2434

Lease Name: WEBB Well No: 15-22-1XH Well will be 2434 feet from nearest unit or lease boundary.
Operator DERBY EXPLORATION LLC Telephone: 4056393786 OTC/OCC Number: 24143 0
Name:

DERBY EXPLORATION LLC
PO BOX 779
OKLAHOMA CITY, OK 73101-0779

BRANDON WEBB & CARI WEBB
251712 EAST 710 ROAD
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8710	6	
2	WOODFORD	10260	7	
3			8	
4			9	
5			10	

Spacing Orders: 697489
697488

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902009
201902010

Special Orders:

Total Depth: 18130 Ground Elevation: 1565 Surface Casing: 300 Depth to base of Treatable Water-Bearing FM: 50

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36538
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.

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 15 Twp 18N Rge 13W County BLAINE

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 9698

Radius of Turn: 503

Direction: 10

Total Length: 7641

Measured Total Depth: 18130

True Vertical Depth: 10260

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

Notes:

Category

Description

HYDRAULIC FRACTURING

6/5/2019 - 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: OCCWEB.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

INTERMEDIATE CASING

6/5/2019 - 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

MEMO

6/5/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category	Description
PENDING CD - 201902009	6/17/2019 - G58 - (I.O.) 15 & 22-18N-13W EST MULTIUNIT HORIZONTAL WELL X697488 MSSP, WDFD X697489 MSSP, WDFD (WDFD IS ADJACENT CSS TO MSSP) 64% 15-18N-13W 36% 22-18N-13W NO OP. NAMED REC 5/30/2019 (M. PORTER)
PENDING CD - 201902010	6/17/2019 - G58 - (I.O.) 15 & 22-18N-13W X697488 MSSP, WDFD X697489 MSSP, WDFD COMPL. INT. 22-18N-13W NCT 2350' FSL, NCT 0' FNL, NCT 660' FEL COMPL. INT. 15-18N-13W NCT 165' FNL, NCT 0' FSL, NCT 660' FEL NO OP. NAMED REC 5/30/2019 (M. PORTER)
SPACING - 697488	6/17/2019 - G58 - (640)(HOR) 15-18N-13W VAC 256331 UNCCR, MSSLM EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 697489	6/17/2019 - G58 - (640)(HOR) 22-18N-13W EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL



DERBY

Well Location Plat

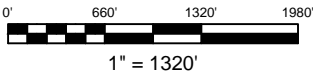
S.H.L. Sec. 22-18N-13W I.M.
B.H.L. Sec. 15-18N-13W I.M.

Operator: DERBY EXPLORATION, LLC
Lease Name and No.: WEBB 15-22-1XH
Footage: 2491' FNL - 2434' FWL Gr. Elevation: 1565'
Section: 22 Township: 18N Range: 13W I.M.
County: Blaine State of Oklahoma
Terrain at Loc.: Location fell in a wheat field.

011-24225



All bearings shown
are grid bearings.



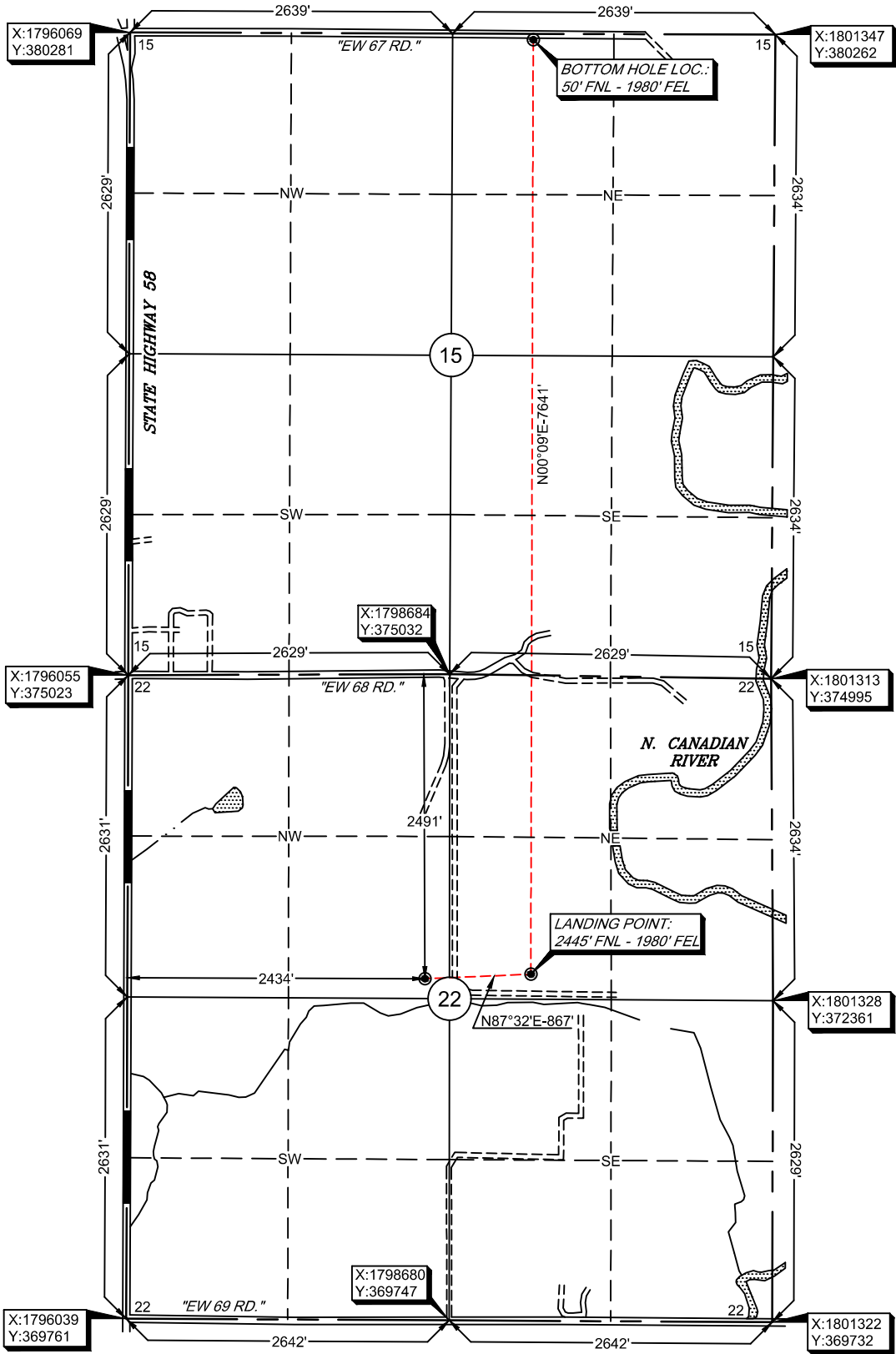
GPS DATUM
NAD 83
OK NORTH ZONE

Surface Hole Loc.:
Lat: 36°01'19.32"N
Lon: 98°34'29.80"W
Lat: 36.02203207
Lon: -98.57494463
X: 1798482
Y: 372540

Landing Point:
Lat: 36°01'19.73"N
Lon: 98°34'19.27"W
Lat: 36.02214860
Lon: -98.57201822
X: 1799347
Y: 372578

Bottom Hole Loc.:
Lat: 36°02'35.30"N
Lon: 98°34'19.57"W
Lat: 36.04313980
Lon: -98.57210343
X: 1799367
Y: 380219

Please note that this location was staked 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. GPS data is observed from RTK - GPS.
- NOTE: X and Y data shown herein 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 hereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



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, 2020

Invoice #8557-A
Date Staked: 04/29/19 By: D.L.
Date Drawn: 04/30/19 By: C.K.
Added LP & BHL: 05/03/19 By: E.W.

Certification:
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS 05/06/19
OK LPLS 1664

