

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

API NUMBER: 063 24849

Approval Date: 09/25/2018

Expiration Date: 03/25/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 6N Rge: 9E

County: HUGHES

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 350

Lease Name: SHERRY B

Well No: 2932-1HX

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: CORTERRA ENERGY OPERATING LLC

Telephone: 9186150400

OTC/OCC Number: 23995 0

CORTERRA ENERGY OPERATING LLC
1717 S BOULDER AVE STE 900
TULSA, OK 74119-4844

JOHN WALT SHERRY
P.O. BOX 584
HOLDENVILLE OK 74848

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4605	6	
2	WOODFORD	5077	7	
3	SYLVAN	5274	8	
4			9	
5			10	

Spacing Orders: 682279

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804024
201804023

Special Orders:

Total Depth: 15524

Ground Elevation: 884

Surface Casing: 830

Depth to base of Treatable Water-Bearing FM: 580

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: ON SITE

Type of Mud System: AIR

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

PERMIT NO: 18-34702

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: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: WEWOKA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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: 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 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: WEWOKA

PIT 3 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: WEWOKA

HORIZONTAL HOLE 1

Sec 32 Twp 6N Rge 9E County HUGHES

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 510

Depth of Deviation: 4697

Radius of Turn: 380

Direction: 180

Total Length: 10230

Measured Total Depth: 15524

True Vertical Depth: 5274

End Point Location from Lease,

Unit, or Property Line: 165

Additional Surface Owner

BOB J. SHERRY

JACK O. SHERRY

Address

7670 EAST 141 ROAD

1130 E. MAIN

City, State, Zip

ATWOOD, OK 74827

HOLDENVILLE, OK 74848

Notes:

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.

063 24849 SHERRY B 2932-1HX

Category	Description
HYDRAULIC FRACTURING	<p>6/11/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
MEMO	<p>6/11/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201804023	<p>6/18/2018 - G57 - (I.O.) 29 & 32-6N-9E X682279 MSSP, WDFD, SLVN (MSSP, SLVN ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE WDFD) 50% 29-6N-9E 50% 32-6N-9E CORTERRA ENERGY, LLC. REC 6-5-2018 (JOHNSON)</p>
PENDING CD - 201804024	<p>6/18/2018 - G57 - (I.O.) 29 & 32-6N-9E X682279 MSSP, WDFD, SLVN SHL (20-6N-9E) 330' FSL, 350' FWL COMPL. INT. (29-6N-9E) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (32-6N-9E) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL NO OP. NAMED REC 6-5-2018 (JOHNSON)</p>
SPACING - 682279	<p>6/18/2018 - G57 - 29 & 32-6N-9E VAC 309868 MYES, SLVN, WDFD SW4 SW4 32-6N-9E EST MSSP, WDFD, SLVN POE TO BHL (MSSP) NCT 660' FB POE TO BHL (SLVN) NCT 330' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FNL & FSL</p>

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.

API:063 24849

N:605048.08
E:2488135.02**PERMIT PLAT**M & M Land Surveying, Inc.
Phone (580) 226-0446
520 E Street N.W.
Ardmore, OK 73401Company Name: **CORTERRA ENERGY OPERATING, LLC.**Lease Name: **SHERRY B 2932 1HX**Section 20 Township 6 N Range 9 E, I.B.M.,
County of Hughes, State of OklahomaGood Location? **YES**Original Location: 330'FSL - 350'FWL Elevation 884' GROUND
Distance & Direction From Nearest Town: 3.1 miles Northwest of Atwood.**NAD 27 OK SOUTH**

SURFACE LOCATION

LAT: 34.971573°N

LONG: 96.386876°W

N= 600022.87'

E= 2483270.70'

LANDING POINT

N= 599513.21'

E= 2482418.95'

BOTTOM HOLE

N= 589279.88'

E= 2482573.04'

NAD 83 OK SOUTH

SURFACE LOCATION

LAT: 34.971604°N

LONG: 96.387163°W

N= 600069.9'

E= 2451673.17'

LANDING POINT

N= 599577.66'

E= 2451841.28'

BOTTOM HOLE

N= 589343.29'

E= 2451995.51'

**PAD CORNER
ELEVATIONS**

NE/C = 888.60'

SE/C = 872.97'

SW/C = 872.82'

NW/C = 874.80'



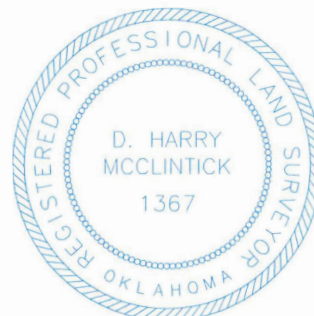
SCALE 1" = 1500'

DATA DERIVED FROM
G.P.S. WITH O.P.U.S.
DATA.

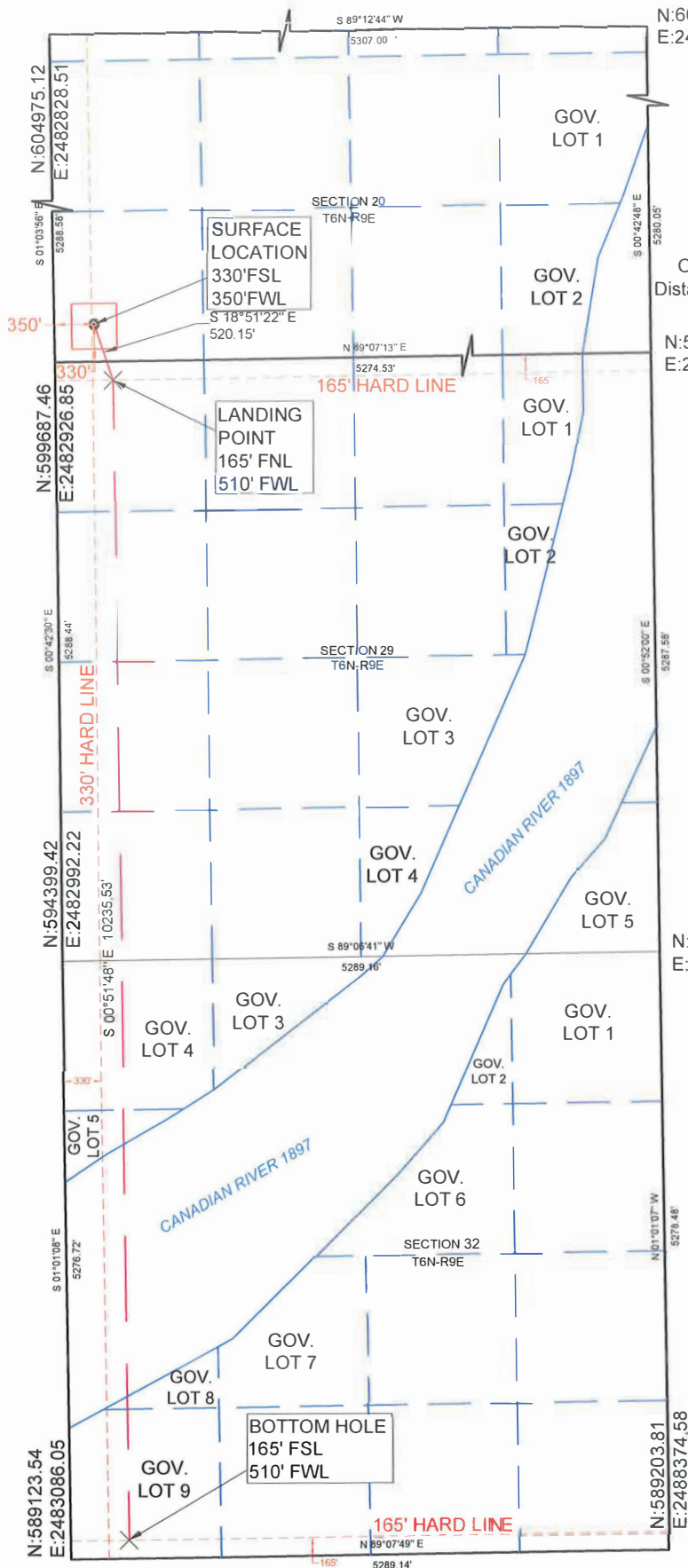
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

CERTIFICATE:

I D. Harry McClintick a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.



D. Harry McClintick 12/27/17
D. Harry McClintick
PLS. No.1367 CFEDS



SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 17361	SITE VISIT: (Explanation and Date)
SHEET: 4 OF 4	STAKING DATE: 08/14/2017
	DRAWING DATE: 12/19/2017