

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

API NUMBER: 051 24016 A

Approval Date: 06/06/2017  
Expiration Date: 12/06/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 6N Rge: 8W County: GRADY  
SPOT LOCATION:  SW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 625 1585

Lease Name: NORRIS TRUST Well No: 2-28H Well will be 625 feet from nearest unit or lease boundary.  
Operator Name: UNIT PETROLEUM COMPANY Telephone: 9184937700; 9184937 OTC/OCC Number: 16711 0

UNIT PETROLEUM COMPANY  
PO BOX 702500  
TULSA, OK 74132-5300

JOHN RAY & AMINTA ELIZABETH NORRIS  
3027 COUNTY STREET 2770  
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	HOXBAR	10740	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 649281 Location Exception Orders: 649774 Increased Density Orders: 650939  
661030 661029

Pending CD Numbers: Special Orders:

Total Depth: 16426 Ground Elevation: 1197 **Surface Casing: 1985** Depth to base of Treatable Water-Bearing FM: 1000

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 BED AQUIFER

Pit Location Formation: MARLOW

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 15-30969  
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 BED AQUIFER

Pit Location Formation: MARLOW

HORIZONTAL HOLE 1

Sec 28 Twp 6N Rge 8W County GRADY

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2060

Depth of Deviation: 10314

Radius of Turn: 608

Direction: 5

Total Length: 5157

Measured Total Depth: 16426

True Vertical Depth: 10878

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

1/12/2016 - G71 - APPROVED; NOTIFY OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/12/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INCREASED DENSITY - 650939

1/14/2016 - G60 - 28-6N-8W  
X649281 HXBR  
1 WELL  
UNIT PETROLEUM CO.  
3/17/16

INCREASED DENSITY - 661029

6/6/2017 - G60 - (I.O) 28-6N-8W  
EXT OF TIME FOR 650939 TO 3/17/18

LOCATION EXCEPTION - 649774

1/14/2016 - G60 - (I.O.)  
X649281 HXBR  
SHL NCT 625' FNL, NCT 1570' FWL 33-6N-8W  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1400' FWL 28-6N-8W  
UNIT PETROLEUM CO.  
2/11/16

LOCATION EXCEPTION - 661030

6/6/2017 - G60 - (I.O.) 28-6N-8W  
EXT OF TIME FOR 649774 TO 2/11/18

This permit does not address the right of entry or settlement of surface damages.

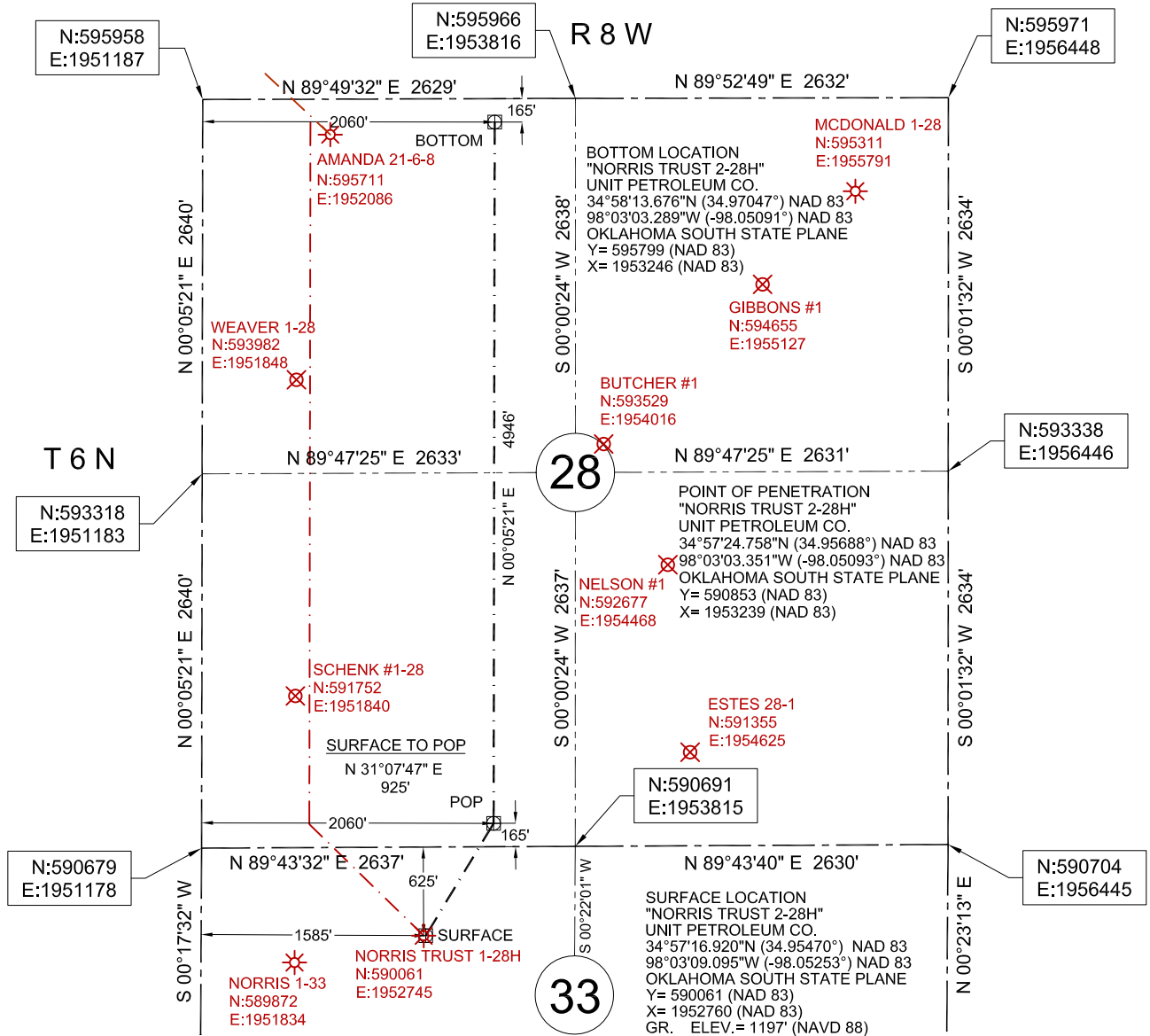
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

Category	Description
MEMO	1/12/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 649281	1/14/2016 - G60 - (640)(HOR) 28-6N-8W X636242 HXBR COMPLT. INT. NLT 660' FB (COEXIST WITH SPACING ORDER # 137264 WADE, MRCD)

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.

# Sections 28 & 33, T 6 N, R 8 W.I.M., Grady County, Oklahoma.



**Surface Hole Location**

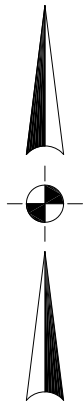
"Norris Trust 2-28H" situated 625 feet from the north section line and 1585 feet from the west section line of Section 33, T 6 N, R 8 W.I.M., Grady County, Oklahoma.

**Point of Penetration**

"Norris Trust 2-28H" situated 165 feet from the south section line and 2060 feet from the west section line of Section 28, T 6 N, R 8 W.I.M., Grady County, Oklahoma.

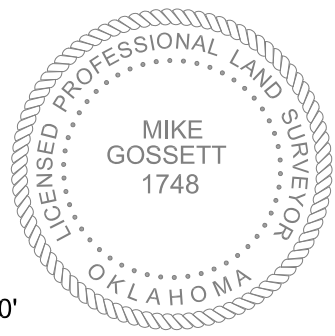
**Bottom Location**

"Norris Trust 2-28H" situated 165 feet from the north section line and 2060 feet from the west section line of Section 28, T 6 N, R 8 W.I.M., Grady County, Oklahoma.



Datum: NAD 83  
Units: US Survey Feet  
North: Grid  
Coordinates: State Plane  
Zone: 3502  
State: Oklahoma  
Region: South

LEGEND	
	PLUGGED WELL
	EXISTING WELL
	SECTION LINE
	1/4 SECTION LINE
	PROPOSED LATERAL
	EXISTING LATERAL



580-334-6757  
**ON POINT**  
Land Survey  
P.O. BOX 1093  
WOODWARD, OKLAHOMA 73802  
OKLA. CA #7719, EXP. 06/30/2017

- NOTES**
1. SURVEY IS VALID ONLY IF PRINT HAS ORIGINAL SEAL AND SIGNATURE OF SURVEYOR PRESENT.
  2. EXISTING WELL COORDINATES ARE FROM THE OCC WEB SITE AND WERE NOT FIELD LOCATED.
  3. UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE IN THE FIELD.
  4. THIS SURVEY IS FOR A WELL LOCATION EXHIBIT ONLY. NOT TO BE USED AS A BOUNDARY SURVEY.
  5. DATE OF LAST SITE VISIT:

REVISIONS:	DRAWN BY:	JOB:	DATE OF PLAT:	SCALE:	SHEET:
	C.M.G.	023-17	02-21-2017	1"=1200'	1 OF 4