API NUMBER: 051 24240

Horizontal Hole Oil & Gas

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

Approval Date: 01/03/2018
Expiration Date: 01/03/2019

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** **1600**

Lease Name: LIVINGSTON LAND 33/4 **Well No: 1HXL** **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 74170-2500

JOHN NORRIS & AMINTA NORRIS, CO-TRUSTEES
3027 COUNTY STREET 2770
CHICKASHA OK 73018

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

	Name	Depth		Name	Depth
1	HOXBAR	10976	6		
2	CLEVELAND	11145	7		
3			8		
4			9		
5			10		

Spacing Orders: 618074
623669

Location Exception Orders: 671428

Increased Density Orders: 668805

Pending CD Numbers: 201708634
201708635
201708633

Special Orders:

Total Depth: 19200 Ground Elevation: 1200 **Surface Casing: 1050** 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: 17-33633

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 04 Twp 5N Rge 8W County GRADY

Spot Location of End Point: NE NW NW SE

Feet From: SOUTH 1/4 Section Line: 2501

Feet From: EAST 1/4 Section Line: 2100

Depth of Deviation: 10557

Radius of Turn: 573

Direction: 170

Total Length: 7743

Measured Total Depth: 19200

True Vertical Depth: 11145

End Point Location from Lease,
Unit, or Property Line: 2100

Notes:

Category	Description
EXCEPTION TO RULE - 671428	1/2/2018 - G75 - (I.O.) 33-6N-8W X165:10-3-28(C)(2)(B) HXBR (LIVINGSTON LAND 33/4 1HXL) MAY BE CLOSER THAN 600' TO THOMPSON 33-1 & PITCHFORD 33-2 UNIT PETRO. CO. 12-22-2017
HYDRAULIC FRACTURING	1/2/2018 - 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: OCCEWEB.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
INCREASED DENSITY - 668805	1/2/2018 - G75 - 33-6N-8W X623669 HXBR 1 WELL UNIT PETRO. CO. 10-4-2017
MEMO	1/2/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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
PENDING CD - 201708633	1/2/2018 - G75 - (E.O.) 33-6N-8W & 4-5N-8W EST MULTIUNIT HORIZONTAL WELL X623669 HXBR 33-6N-8W X618074 CLVD 4-5N-8W 67% 33-6N-8W 33% 4-5N-8W UNIT PETRO. CO. REC 12-29-2017 (DUNN)
PENDING CD - 201708634	1/2/2018 - G75 - (E.O.) 33-6N-8W & 4-5N-8W X623669 HXBR 33-6N-8W X618074 CLVD 4-5N-8W COMPL. INT. (33-6N-8W) NCT 165' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. (4-5N-8W) NCT 0' FNL, NCT 660' FSL, NCT 1320' FEL UNIT PETRO. CO. REC 12-29-2017 (DUNN)
PENDING CD - 201708635	1/2/2018 - G75 - 4-5N-8W X618074 CLVD 1 WELL NO OP. NAMED HEARING 1-8-2018
SPACING - 618074	1/2/2018 - G75 - (640)(HOR) 4-5N-8W EST CLVD POE TO BHL NCT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)
SPACING - 623669	1/2/2018 - G75 - (640)(HOR) 33-6N-8W EST HXBR POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 84538 HXBRL, ORDER # 182189/184121 YULE SE4, ORDER # 377185 YULE SW4 & ORDER # 560986 WADE NE4)

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.

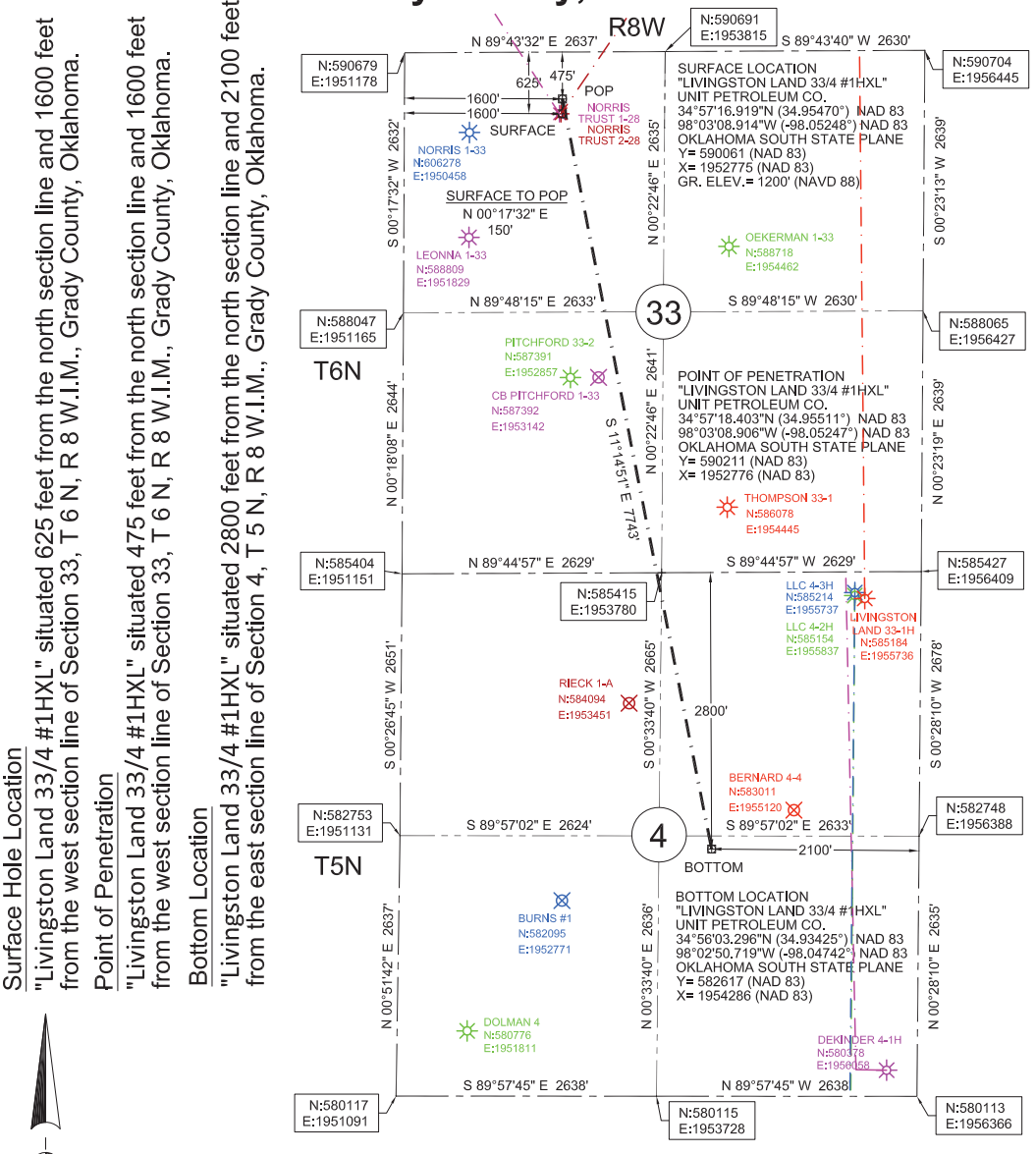
API 051-24240

Section 33, T 6 N, R 8 W.I.M., and Section 4, T 5 N, R 8 W.I.M., Grady County, Oklahoma.

Surface Hole Location
"Livingston Land 33/4 #1HXL" situated 625 feet from the north section line and 1600 feet from the west section line of Section 33, T 6 N, R 8 W.I.M., Grady County, Oklahoma.

Point of Penetration
"Livingston Land 33/4 #1HXL" situated 475 feet from the north section line and 1600 feet from the west section line of Section 33, T 6 N, R 8 W.I.M., Grady County, Oklahoma.

Bottom Location
"Livingston Land 33/4 #1HXL" situated 2800 feet from the north section line and 2100 feet from the east section line of Section 4, T 5 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

0' 1500' 3000' 4500'

811 Know what's below. Call before you dig.

Unit

LICENSED PROFESSIONAL LAND SURVEYOR
MIKE GOSSETT
1748
OKLAHOMA

580-334-6757
ON POINT Land Survey
P.O. BOX 1093
WOODWARD, OKLAHOMA 73802
OKLA. CA #7719, EXP. 06/30/2019

SURVEY NOTES
1. EXISTING WELL COORDINATES ARE FROM THE OCC WEB SITE AND WERE NOT FIELD LOCATED.
2. UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE IN THE FIELD.
3. THIS SURVEY IS FOR A WELL LOCATION EXHIBIT ONLY. NOT TO BE USED AS A BOUNDARY SURVEY.
4. DATE OF LAST SITE VISIT: 11-14-2017

REVISIONS:	DRAWN BY:	JOB:	DATE OF PLAT:	SCALE:	SHEET:
	C.M.G.	184-17	12-07-2017	1"=1500'	1 OF 4

email:mike@onpointsurveyok.com web:www.onpointlandsurveyok.com