

API NUMBER: 011 23946

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

Approval Date: 03/02/2018
Expiration Date: 09/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 17N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 260 984

Lease Name: RED LAND

Well No: 9-35H

Well will be 260 feet from nearest unit or lease boundary.

Operator Name: PRIDE ENERGY COMPANY

Telephone: 9185249200

OTC/OCC Number: 19430 0

PRIDE ENERGY COMPANY
PO BOX 701950
TULSA, OK 74170-1950

MARCIA DIANNE JOHNSON
8317 NW 71ST ST
OKLAHOMA CITY OK 73132-

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

	Name	Depth	Name	Depth
1	MERAMEC	9220	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 95567

Location Exception Orders: 667080

Increased Density Orders: 667150
669816

Pending CD Numbers:

Special Orders:

Total Depth: 14358

Ground Elevation: 1240

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 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: GLOWER POT SHALE

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

PERMIT NO: 18-34011

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 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: FLOWERPOT SHALE

HORIZONTAL HOLE 1

Sec 35 Twp 17N Rge 10W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 8878

Radius of Turn: 484

Direction: 6

Total Length: 4719

Measured Total Depth: 14358

True Vertical Depth: 9220

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

Additional Surface Owner	Address	City, State, Zip
PALMER S HAFFNER	7455 KINGFISHER LANE	DAWSONVILLE, GA 30534

Notes:

Category

Description

DEEP SURFACE CASING

3/1/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 669816

3/1/2018 - G60 - (I.O.) 35-17N-10W
X165:10-3-28(C)(2)(B) MRMC
MAY BE CLOSER THAN 600' TO THE HAFFNER B-1 WELL
REC. 11/7/17

HYDRAULIC FRACTURING

2/28/2018 - 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 - 667150

3/1/2018 - G60 - (F.O.) 35-17N-10W
X95567 MRMC
4 WELLS
NO OP. NAMED
REC. 8/18/17

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.

011 23946 RED LAND 9-35H

Category	Description
INTERMEDIATE CASING	3/1/2018 - 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
LOCATION EXCEPTION - 667080	3/1/2018 - G60 - (I.O.) 35-17N-10W X95567 MPMC COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED 8/17/17
MEMO	3/1/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 95567	3/1/2018 - G60 - (640) 35-17N-10W EXT OTHERS EXT 61186 MPMC EXT OTHERS

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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.

Well Location Plat

Sec. 35-17N-10W I.M.

Operator: PRIDE ENERGY COMPANY

Lease Name and No.: RED LAND 9-35H

3501123946

Footage: 260' FSL - 984' FEL Gr. Elevation: 1240'

Section: 35 Township: 17N Range: 10W I.M.

County: Blaine State of Oklahoma

Terrain at Loc.: Location fell on an existing level pad site, ±105' South of an existing well pad.



0' 500' 1000' 1500'

1"=1000'

GPS DATUM

NAD 83

OK NORTH ZONE

Surface Hole Loc.:

Lat: 35°53'57.67"N

Lon: 98°13'51.87"W

X: 1900062

Y: 327461

Landing Point:

Lat: 35°54'00.02"N

Lon: 98°13'44.16"W

X: 1900696

Y: 327697

Bottom Hole Loc.:

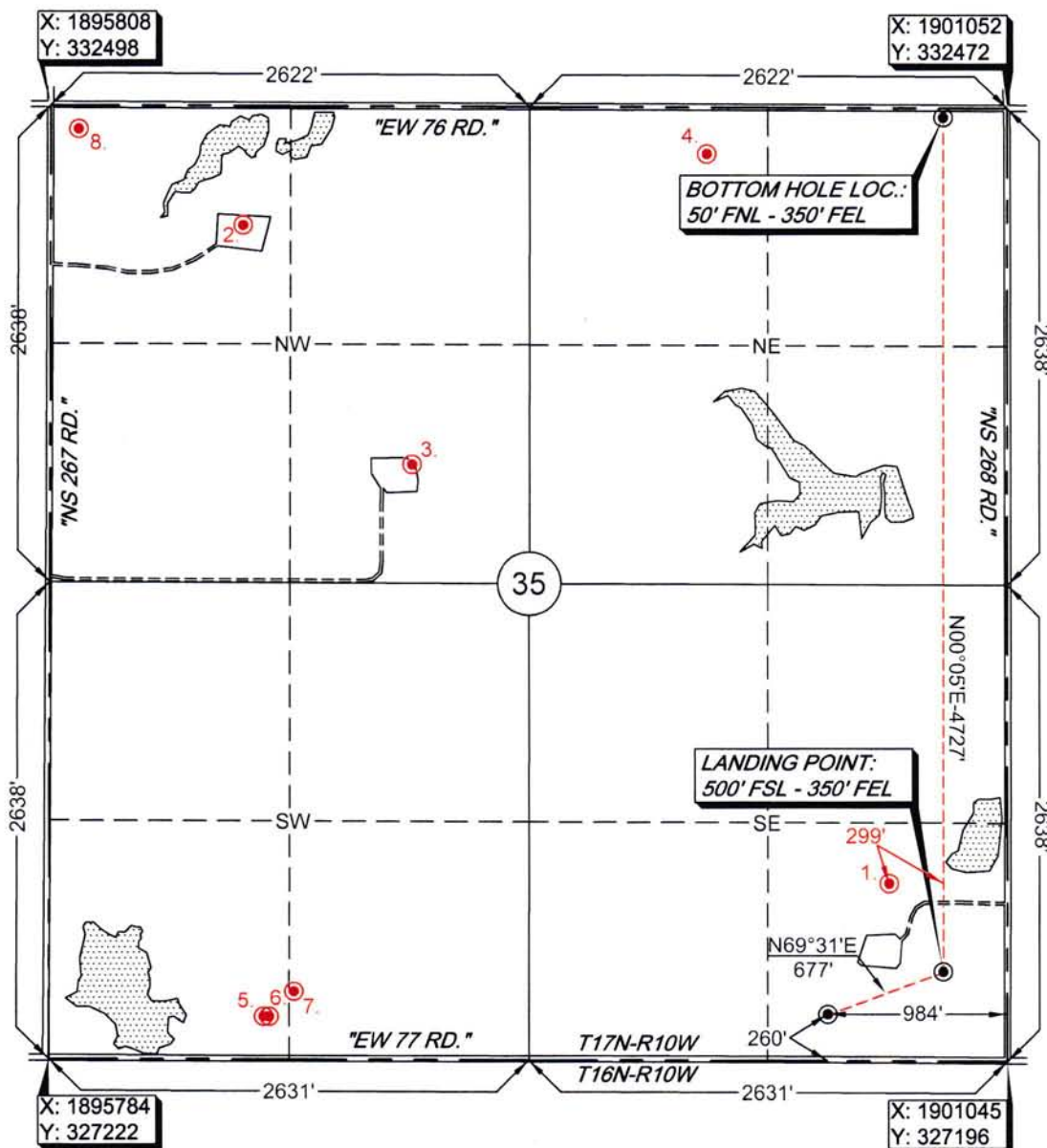
Lat: 35°54'46.77"N

Lon: 98°13'44.22"W

X: 1900702

Y: 332424

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 thereof, 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, 2018

Invoice #7071-A-B

Date Staked: 02/16/18

By: J.L.

Date Drawn: 02/20/18

By: P.B.

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
LANCE G. MATHIS

02/20/18

OK LPLS 1664

