

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

API NUMBER: 119 24417

Approval Date: 09/28/2016  
Expiration Date: 03/28/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 18N Rge: 5E County: PAYNE  
SPOT LOCATION:  NW  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 453 1245

Lease Name: LAUREN Well No: 1-28MH Well will be 453 feet from nearest unit or lease boundary.  
Operator Name: CROWN ENERGY COMPANY Telephone: 4055260111 OTC/OCC Number: 19779 0

CROWN ENERGY COMPANY  
1117 NW 24TH ST  
OKLAHOMA CITY, OK 73106-5615

JERRY & FLORENCE ANN MILLS  
2505 NORTH LITTLE AVE.  
CUSHING OK 74023

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

Name	Depth	Name	Depth
1	MISSISSIPPI	3660	6
2			7
3			8
4			9
5			10

Spacing Orders: 623051

Location Exception Orders: 655074

Increased Density Orders:

Pending CD Numbers: 201604017

Special Orders:

Total Depth: 8635

Ground Elevation: 888

**Surface Casing: 1100**

Depth to base of Treatable Water-Bearing FM: 940

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3500 Average: 1000

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: VANOSS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31626

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 28 Twp 18N Rge 5E County PAYNE

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 164

Feet From: EAST 1/4 Section Line: 1654

Depth of Deviation: 2637

Radius of Turn: 1125

Direction: 355

Total Length: 4231

Measured Total Depth: 8635

True Vertical Depth: 3734

End Point Location from Lease,  
Unit, or Property Line: 164

Notes:

Category

Description

BOTTOM-HOLE LOCATION

9/28/2016 - G75 - 164' FNL, 1654' FEL NE4 28-18N-5E PER STAKING PLAT

HYDRAULIC FRACTURING

9/27/2016 - 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.

LOCATION EXCEPTION - 655074

9/27/2016 - G75 - (I.O.) 28-18N-5E  
X623051 MISS  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL  
CROWN ENERGY CO.  
8-9-2016

PENDING CD - 201604017

9/27/2016 - G75 - (E.O.) 28-18N-5E  
X165:10-3-28(C)(2)(B) MISS (LAUREN 1-28MH)  
MAY BE CLOSER THAN 600' TO MILLS # 2  
CROWN ENERGY CO.  
REC 9-21-2016 (P. PORTER)

SPACING - 623051

9/27/2016 - G75 - (640)(HOR) 28-18N-5E  
EXT 612202 MISS, OTHERS  
POE TO BHL NLT 660' FB  
(COEXIST MARY GRIFFIN # 1 MISS) \*\*

\*\* S/B COEXIST MARY GRIFFIN # 1 & MILLS # 2 MISS; SP. ORDER # 623051 CITES OCC 165:10-3-28(E)(4) WHICH PROVIDES FOR HORIZONTAL SPACING TO COEXIST WITH NON-HORIZONTAL UNITS

# CROWN Well Location Plat

ENERGY COMPANY

Sec. 28-T18N-R5E I.M

## SHOWING FINAL PAD ELEVATION

Operator: CROWN ENERGY RESOURCES, LLC

API 119-24417

Lease Name and No. : LAUREN #1-28MH

Footage : 453' FSL - 1245' FEL PAD ELEVATION : 888' Good Site? YES

Section: 28 Township: 18N Range: 5E I.M.

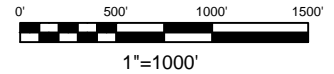
County : PAYNE State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc. : Location fell on a painted "X" on existing Deborah location.

Accessibility : From the South.

Directions : From the intersection of State Hwy 18 & Main Street in Cushing, OK, go North on State Hwy 18 for 1 Mile to the SE Corner of Section 28-18N-5E.



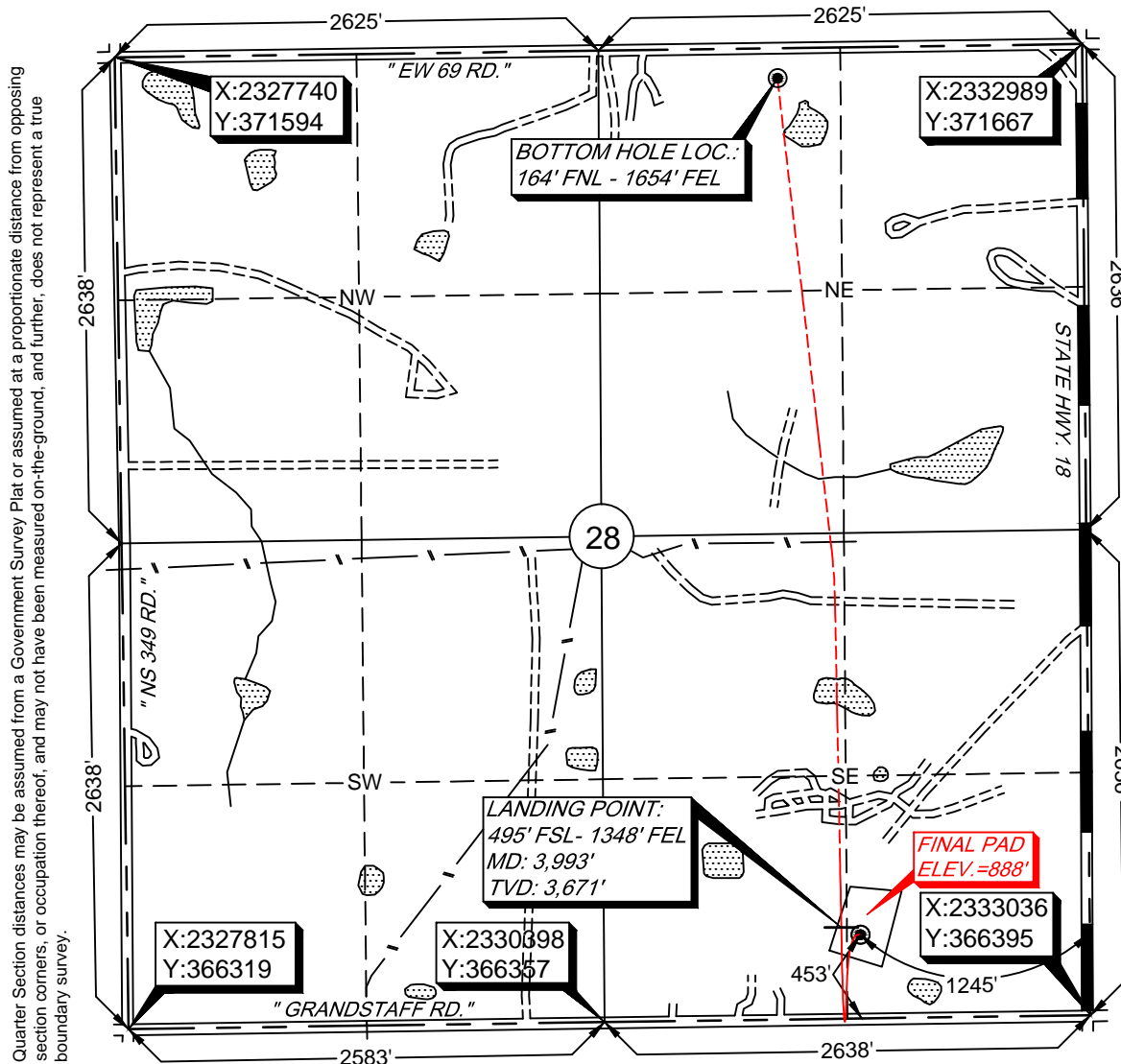
NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

GPS DATUM  
NAD - 83  
OK NORTH ZONE

Surface Hole Loc.:  
Lat: 36°00'05.10"N  
Lon: 96°46'18.42"W  
X: 2331786  
Y: 366831

Landing Point:  
Lat: 36°00'05.52"N  
Lon: 96°46'19.68"W  
X: 2331683  
Y: 366871

Bottom Hole Loc.:  
Lat: 36°00'51.14"N  
Lon: 96°46'23.19"W  
X: 2331336  
Y: 371481



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.

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 August 31, 2018

### 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.

Invoice #6449  
Date Staked : 06/27/16 By : HS  
Date Drawn : 06/29/16 By : RS  
Add BHL : 09/28/16 By : RS

  
LANCE G. MATHIS  
09/28/16  
OK LPLS 1664

