

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

API NUMBER: 119 24416

Approval Date: 08/26/2016
Expiration Date: 02/26/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 5E County: PAYNE
SPOT LOCATION: NW SW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 831 277

Lease Name: MARCIA Well No: 1-10MH Well will be 831 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

A. SCOTT & MARCIA E. JOHNSON
20201 EAST 56TH STREET
YALE OK 74085

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3415	6
2			7
3			8
4			9
5			10

Spacing Orders: 641701
642214

Location Exception Orders: 655190

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8342

Ground Elevation: 783

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 630

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31525

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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 10 Twp 18N Rge 5E County PAYNE

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 169

Feet From: WEST 1/4 Section Line: 1257

Depth of Deviation: 3788

Radius of Turn: 716

Direction: 167

Total Length: 3429

Measured Total Depth: 8342

True Vertical Depth: 3474

End Point Location from Lease,
Unit, or Property Line: 169

Notes:

Category

Description

BOTTOM-HOLE LOCATION

8/26/2016 - G75 - 169' FSL, 1257' FWL SW4 10-18N-5E PER OPERATOR

HYDRAULIC FRACTURING

8/25/2016 - 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 - 655190

8/26/2016 - G75 - (I.O.) 10-18N-5E
X641701/642214 MSSP
COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 330 FWL
CROWN ENERGY CO.
8-12-2016

SPACING - 641701

8/26/2016 - G75 - (640)(HOR) 4-18N-5E
EXT OTHER
EXT 633296 MSSP, OTHER
POE TO BHL NLT 660' FB
(COEXIST UNSPACED MISS IN SHELTON 1 & WAYNE JESKE 1)

SPACING - 642214

8/26/2016 - G75 - NPT 641701 TO 10-18N-5E

API 119-24416

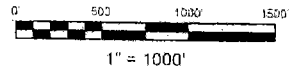
Sec. 10-18N-5E I.M.



Well Location Plat

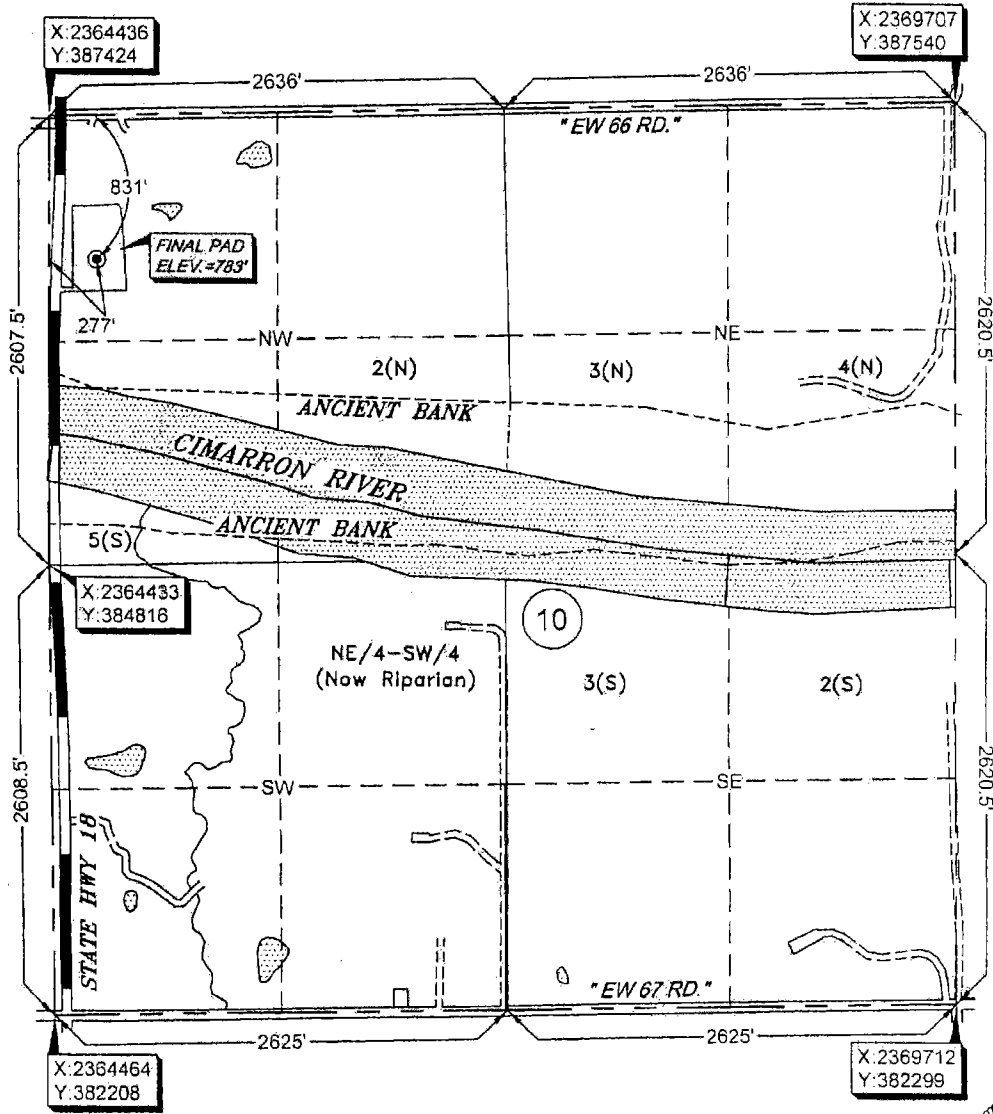
SHOWING FINAL PAD ELEVATION

Operator : CROWN ENERGY RESOURCES, LLC
Lease Name and No. : MARCIA #1-10MH
Footage : 831' FNL - 277' FWL PAD ELEVATION : 783' Good Site? YES
Section : 10 Township : 18N Range : 5E I.M.
County : Payne State of Oklahoma
Alternate Loc. : N/A
Terrain at Loc. : Location fell on existing Crown "Hannah Jo & Johnson" Pad, ±131' & ±161' South of existing wellheads.



Accessibility : From the South.
Directions : From the junction of State Hwy 18 & State Hwy 33 in Cushing, OK, go 5.0 miles North to the Northwest Corner of Section 10-18N-5E.

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.



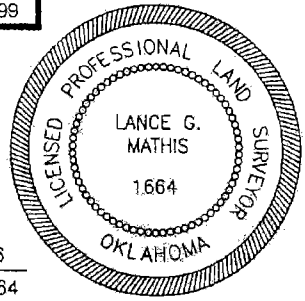
GPS DATUM
NAD 27
OK NORTH ZONE

Surface Hole Loc. :
Lat: 36°03'20.50"N
Lon: 96°45'58.12"W
X: 2364713
Y: 386598

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.

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

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 #6447-A
Date Staked : 07/22/16 By : H.S.
Date Drawn : 07/25/16 By : J.H.

LANCE G. MATHIS 07/27/16
OK LPLS 1664