

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

API NUMBER: 119 24333

Approval Date: 02/20/2015

Expiration Date: 08/20/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 18N Rge: 4E

County: PAYNE

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 228 1136

Lease Name: LETA

Well No: 1-12MH

Well will be 228 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

MICK & NANCY GERMAN
15808 EAST 80TH STREET
CUSHING OK 74023

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	3525	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 634320

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201409251

Special Orders:

Total Depth: 8053

Ground Elevation: 794

Surface Casing: 390

Depth to base of Treatable Water-Bearing FM: 140

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 15-29360
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 12 Twp 18N Rge 4E County PAYNE

Spot Location of End Point: NW NE NE NE

Feet From: SOUTH 1/4 Section Line: 2333

Feet From: WEST 1/4 Section Line: 2095

Depth of Deviation: 2941

Radius of Turn: 726

Direction: 15

Total Length: 3971

Measured Total Depth: 8053

True Vertical Depth: 3610

End Point Location from Lease,

Unit, or Property Line: 307

Notes:

Category

Description

PENDING CD - 201409251

2/20/2015 - G76 - 12-18N-4E
X634320 MSSP
COMPL. INT. NCT 150 FNL, NCT 330 FSL, NCT 330 FEL
NO OP. NAMED
REC. 1/26/2015 (NORRIS)

SPACING - 634320

2/20/2015 - G76 - (640)(HOR) 12-18N-4E
EXT 621121 MSSP, OTHERS
POE TO BHL NLT 660' FB
(COEXIST WITH SP. ORDER #179949 MSSLM & MSNR, SP. ORDER # 414785 MSSP & MSNR &
SP. ORDER # 551587 MSSP & MSNR)

TOTAL DEPTH

2/20/2015 - G76 - 8,053' PER OPERATOR

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.

119 24333 LETA 1-12MH



Well Location Plat

Sec. 12-18N-4E I.M.

Operator: CROWN ENERGY RESOURCES, LLC

Lease Name and No.: LETA 1-12MH

Footage: 228' FSL - 1508' FEL GR. ELEVATION: 794' Good Site? YES

Section: 12 Township: 18N Range: 4E I.M.

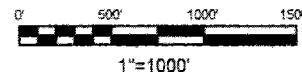
County: Payne State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc.: Location fell in wheat field, 182' N. of aerial power line & fence, 188' SE of 2 wells w/sucker rods & 320' SW of possible old SWD well.

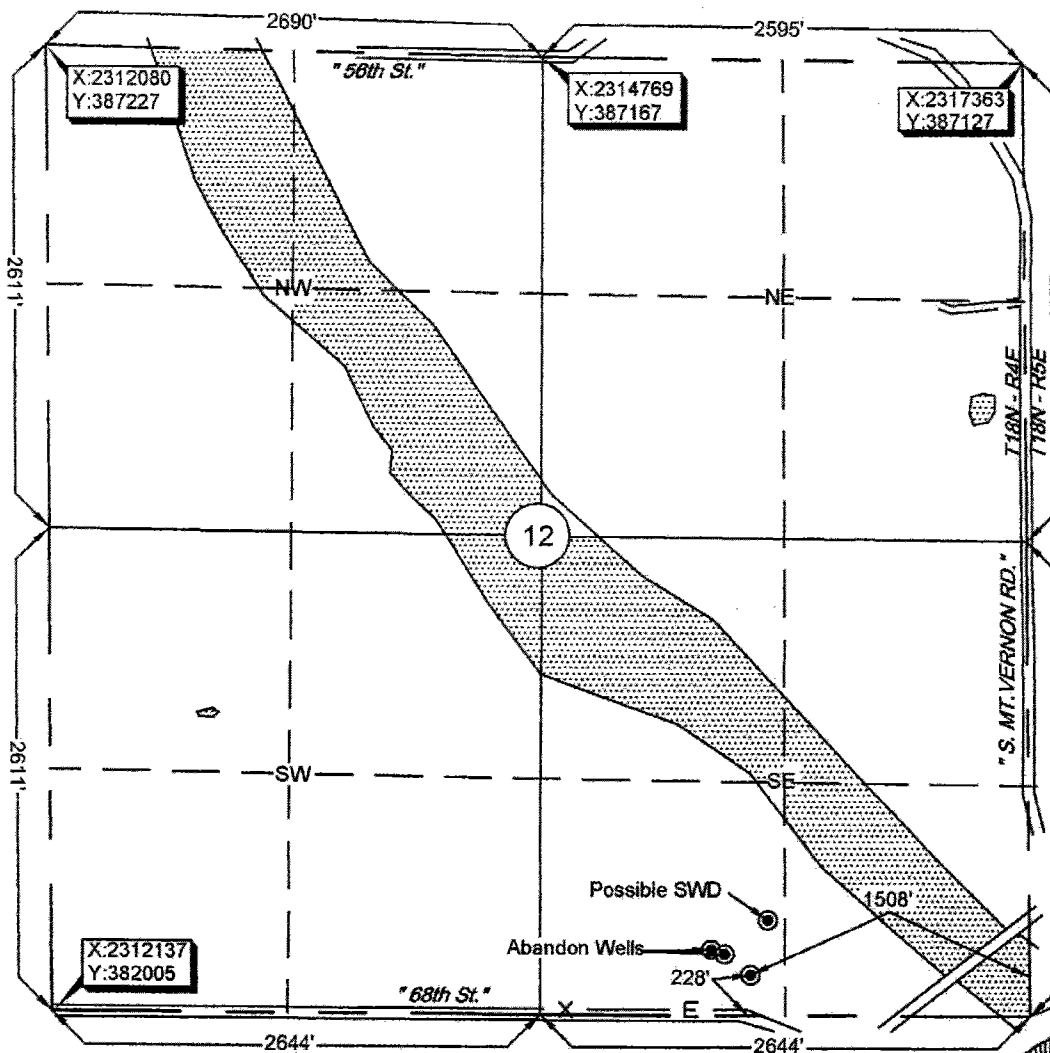
Accessibility: From the South.

Directions: From the town of Cushing, OK, at the intersection of State Highway 33 & State Highway 18, going 4.0 miles North on Hwy 18, then go 3.0 miles West on "68th St." to the Southeast Corner of Section 12-18N-4E.



GPS DATUM
NAD - 27
OK NORTH ZONE

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.



Surface Hole Loc.:
Lat: 36°02'42.91"N
Lon: 96°55'52.96"W
X: 2315915
Y: 382218

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 hereon 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, 2016

Invoice #5199

Date Staked: 12/23/14 By: J.W.

Date Drawn: 12/31/14 By: T.S.

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.

Stan Drannon

STAN DRANNON

01/02/15

OK LPLS 1672

