

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

API NUMBER: 119 24277

Approval Date: 09/23/2014
Expiration Date: 03/23/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 18N Rge: 5E

County: PAYNE

SPOT LOCATION: NE SW SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 599 405

Lease Name: GILBERT 20

Well No: 1-30MH

Well will be 405 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

GILBERT PATTERSON
4900 N. BATTLE RIDGE RD.
CUSHING OK 74023

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3450	6
2			7
3			8
4			9
5			10

Spacing Orders: 626249

Location Exception Orders: 630914

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3530

Ground Elevation: 874

Surface Casing: 880

Depth to base of Treatable Water-Bearing FM: 820

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: 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: VANOSS

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

PERMIT NO: 14-27873

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 30 Twp 18N Rge 5E County PAYNE

Spot Location of End Point: W2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2240

Depth of Deviation: 2950

Radius of Turn: 913

Direction: 233

Total Length: 4551

Measured Total Depth: 8935

True Vertical Depth: 3863

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

LOCATION EXCEPTION - 630914

9/23/2014 - G91 - (I.O.) 30-18N-5E
X 626249 MSSP
COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 330 FEL
CROWN ENERGY CO.
9-22-2014

SPACING - 626249

9/23/2014 - G91 - (640)(HOR) 30-18N-5E
EST OTHERS
EXT 596973 MSSP, OTHER
POE TO BHL NCT 660' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST SP. ORDER #
168885 MSSLM, N2 & N2 SW4, SP. ORDER # 562743 MISS, OTHERS, SE4)