

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

API NUMBER: 119 24313

Approval Date: 12/04/2014
Expiration Date: 06/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 18N Rge: 5E

County: PAYNE

SPOT LOCATION: SW SW SW SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 200

Lease Name: CAROL 6

Well No: 1-7MH

Well will be 200 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

WILLIAM & CAROL ANN CUBBAGE
P O BOX 550
CUSHING OK 74023

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3600	6
2			7
3			8
4			9
5			10

Spacing Orders: 624274

Location Exception Orders: 631686

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3600

Ground Elevation: 786

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 670

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 14-29117

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 07 Twp 18N Rge 5E County PAYNE

Spot Location of End Point: E2 SW SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1815

Depth of Deviation: 3100

Radius of Turn: 507

Direction: 184

Total Length: 4620

Measured Total Depth: 8516

True Vertical Depth: 3600

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

Notes:

Category

Description

LOCATION EXCEPTION - 631686

12/4/2014 - G91 - (I.O.) 7-18N-5E
X624274 MSSP
COMPL. INT. NCT 330 FNL, NCT 300 FSL, NCT 1320 FWL
CROWN ENERGY CO.
10-9-2014

SPACING - 624274

12/4/2014 - G91 - (640) 7-18N-5E
EST MSSP, OTHER
POE TO BHL NCT 660' FB
(SUPERCEDE NON-DEVELOP NON-HORIZONTAL SPACING UNITS; COEXIST PRODUCING NON-
HORIZONTAL SPACING UNITS & LEASE BASIS)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	2752.2	0.00	0.00	2752.2	0.0	0.0	0.00	0.00	0.0		Build @ 8°/100'
3	3502.2	60.00	191.00	3372.4	-351.5	-68.3	8.00	191.00	357.8		EOB @ 60° INC
4	3652.2	60.00	191.00	3447.4	-479.0	-93.1	0.00	0.00	487.6		Build @ 11°/100'
5	3908.0	88.12	190.07	3517.0	-718.5	-137.5	11.00	-1.96	731.0		EOB @ 88.12° INC
6	5283.7	88.12	190.07	3562.0	-2072.2	-378.0	0.00	0.00	2105.5	Pt #3 Plan #3	Build @ 2°/100'
7	5513.2	91.74	192.91	3562.3	-2297.0	-423.7	2.00	38.13	2334.6		EOB @ 91.74° INC
8	6347.6	91.74	192.91	3537.0	-3110.0	-610.0	0.00	0.00	3166.4	Pt #4 Plan #3	Drop @ 2°/100'
9	6867.3	89.66	182.72	3530.7	-3624.2	-680.5	2.00	-101.43	3685.3		EOD @ 89.66° INC
10	7934.6	89.66	182.72	3537.0	-4690.2	-731.2	0.00	0.00	4746.8	Pt #5 Plan #3	Build @ 2.66°/100'
11	8243.7	95.38	188.62	3523.4	-4997.2	-761.7	2.66	45.78	5054.9		EOB @ 95.38° INC
12	8258.7	95.38	188.62	3522.0	-5012.0	-763.9	0.00	0.00	5069.9	PBHL - Carol 6#1-7MH Plan #3	PBHL @ 8259' MD / 3522' TVD

