

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

API NUMBER: 119 24256 A

Approval Date: 08/08/2014  
Expiration Date: 02/08/2015

Straight Hole Disposal

Amend reason: DEPTH

AMEND 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: 599 435

Lease Name: JOYCE A1

Well No: 20 SWD

Well will be 435 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 ARBUCKLE	4050	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5000

Ground Elevation: 874

**Surface Casing: 880**

Depth to base of Treatable Water-Bearing FM: 830

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: 4000 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 BED AQUIFER

Pit Location Formation: VANOSS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-27872

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

Notes:

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.

Category	Description
FRAC FOCUS	8/8/2014 - G76 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	8/8/2014 - G91 - N/A DISPOSAL WELL

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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 24256 JOYCE A1 20 SWD