

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

API NUMBER: 117 23639

Approval Date: 02/20/2015

Expiration Date: 08/20/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 21N Rge: 5E

County: PAWNEE

SPOT LOCATION: C NE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 990 2310

Lease Name: WATERS

Well No: 1-4

Well will be 990 feet from nearest unit or lease boundary.

Operator Name: TARKA ENERGY LLC

Telephone: 5804709230

OTC/OCC Number: 23529 0

TARKA ENERGY LLC
PO BOX 190
DUNCAN, OK 73534-0190

MARK P. WATERS
51350 EAST 47 ROAD
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 CLEVELAND	2980	6 SIMPSON DOLOMITE	3885
2 RED FORK	3415	7 WILCOX	3915
3 MISSISSIPPI CHAT	3620	8	
4 MISSISSIPPI LIME	3640	9	
5 WOODFORD	3830	10	

Spacing Orders: 620587

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500828

Special Orders:

Total Depth: 4070

Ground Elevation: 886

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 100

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: RED EAGLE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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.

117 23639 WATERS 1-4

Category	Description
FRAC FOCUS	2/17/2015 - G64 - CHEMICAL DISCLOSURE REQUIREMENT 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 HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
PENDING CD - 201500828	2/19/2015 - G76 - (E.O.) 4-21N-5E X620587 CLVD, RDFK, MSSCT, MSSLM, WDFD, SMPD, WLCX, OTHER SHL NCT 990 FSL, NCT 2310 FWL TARKA ENERGY, L.L.C. REC. 2/20/2015 (THOMAS)
SPACING - 620587	2/19/2015 - G76 - (640) 4-21N-5E VAC 208543 CLVD, MSSP, WDFD, WLCX VAC 208543 RDFK N2 SW4 VAC 497149 RDFK SE4 EXT 617558 CLVD, RDFK, MSSCT, MSSLM, WDFD, SMPD, WLCX, OTHER

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