

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

API NUMBER: 117 23653

Approval Date: 03/30/2015
Expiration Date: 09/30/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 21N Rge: 5E County: PAWNEE
SPOT LOCATION: C SW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 990 1650

Lease Name: HELVY Well No: 1-21 Well will be 330 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

CYRSTAL JEAN HELVY & CLAYTON HELVY
41851 SOUTH 353 ROAD
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 CLEVELAND	2706	6 RED FORK	3217
2 BIG LIME	2871	7 MISSISSIPPIAN	3425
3 OSWEGO	2924	8 WOODFORD	3575
4 PRUE	3045	9 SIMPSON DOLOMITE	3632
5 SKINNER	3111	10 WILCOX	3638

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3791 Ground Elevation: 902 **Surface Casing: 260** Depth to base of Treatable Water-Bearing FM: 210

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 located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: VANOSS

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.

Category	Description
FRAC FOCUS	3/26/2015 - G71 - 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
SPACING	3/26/2015 - G64 - FORMATIONS UNSPACED; 80 ACRE LEASE (E2 NE4)

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.

AP# 11723653

Well Location Plat Lease: 80 acres E2/NW

Sec. 21-21N-5E I.M.

Operator: TARKA ENERGY, LLC
 Lease Name and No.: HELVY 1-21
 Footage: 990' FNL - 1650' FWL GR. ELEVATION: 902' Good Site? YES
 Section: 21 Township: 21N Range: 5E I.M.
 County: Pawnee State of Oklahoma
 Alternate Loc.: N/A

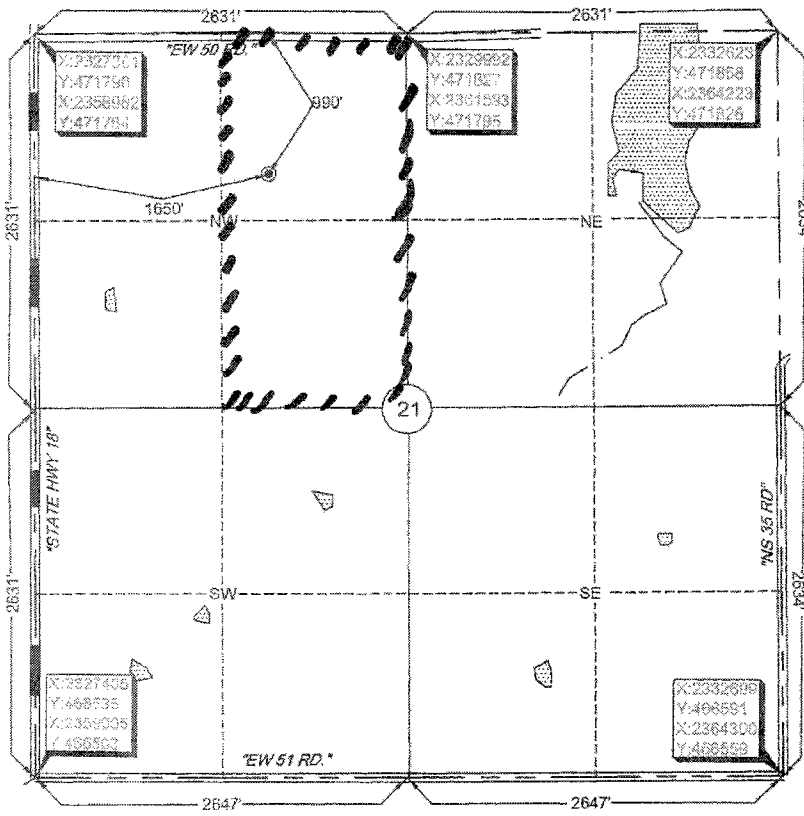
Terrain at Loc.: Timber - 100' East of low area drain.

Accessibility: From the North.

Directions: From the town of Pawnee, OK at the intersection of State Highway 64 & State Highway 18, go 1.75 miles South on HWY 18, then go ± 0.4 miles East on "EW 50 Road" to the Northwest Corner of Section 21-21N-5E.



Quarter Section distances may be assumed from a previously recorded plat or assumed at a proportionate distance from opposing section corners, and may not have been measured on the ground, and further, may not represent a true boundary survey.



GPS DATUM
 NAD - 83
 OK NORTH ZONE

GPS DATUM
 NAD - 27
 OK NORTH ZONE

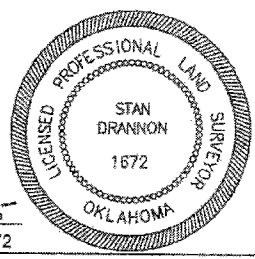
Surface Hole Loc.
 Lat: 38.287168
 Lon: -96.776700
 X: 2329019
 Y: 470826

Surface Hole Loc.
 Lat: 38.287112
 Lon: -96.776596
 X: 2360620
 Y: 470754

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 from RTG - GPS. NOTE: X and Y data shown herein 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 Wiburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030
 Certificate of Authorization No. 5348
 Expires June 30, 2018

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.



Invoice # 5370
 Date Staked: 03/11/15 By: J.W.
 Date Drawn: 03/16/15 By: T.S.

Stan Drannon 3/16/15
 STAN DRANNON OK LPLS 1672