

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

API NUMBER: 117 23635

Approval Date: 01/30/2015

Expiration Date: 07/30/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 21N Rge: 5E

County: PAWNEE

SPOT LOCATION: C NE SW SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 990 1650

Lease Name: SPEARS

Well No: 1-19

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

BRUCE SPEARS & JOSEPHINE E. SPEARS
50876 E. HIGHWAY 64
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 CLEVELAND	2980	6 RED FORK	3415
2 BIG LIME	3052	7 MISSISSIPPI	3640
3 OSWEGO	3150	8 WOODFORD	3830
4 PRUE	3249	9 SIMPSON DOLOMITE	3885
5 SKINNER	3375	10 WILCOX	3915

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4050

Ground Elevation: 965

Surface Casing: 230

Depth to base of Treatable Water-Bearing FM: 180

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: 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: 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	1/30/2015 - 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	1/30/2015 - G91 - FORMATIONS UNSPACED; 80-ACRES (W2 SE4)

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.

API: 117-23635

Well Location Plat

Sec. 19-21N-5E I.M.

Operator: TARKA ENERGY, LLC

Lease Name and No. : SPEARS 1-19

Footage : 990' FSL - 1650' FEL GR. ELEVATION : 965' Good Site? YES

Section: 19 Township: 21N Range: 5E I.M.

County : Pawnee State of Oklahoma

Alternate Loc. : N/A

Terrain at Loc. : Location fell in timber, East of 2 track road.

*Lease - 80 acres
W2 SE*



1"=1000'

GPS DATUM
NAD - 27
OK NORTH ZONE

GPS DATUM
NAD - 83
OK NORTH ZONE

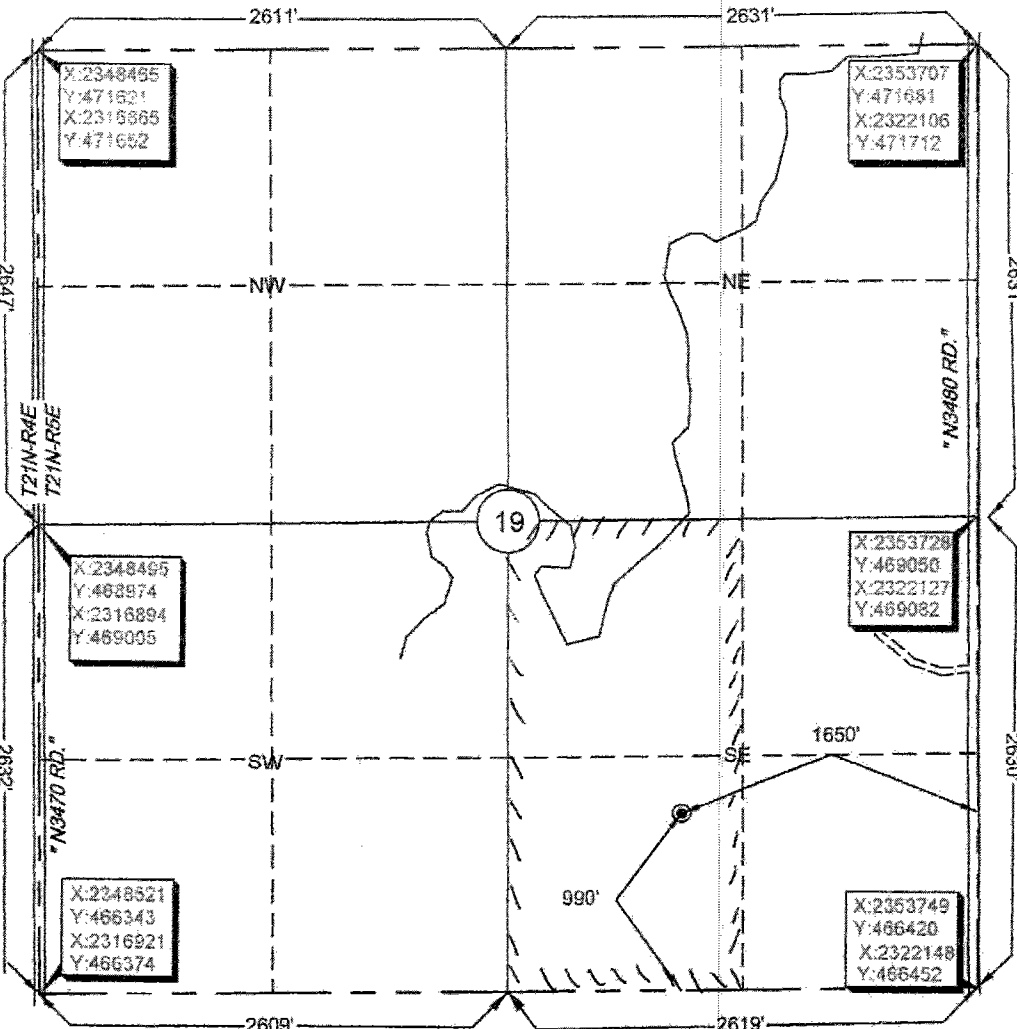
Surface Hole Loc. :
Lat: 36.278041
Lon: -96.805475
X: 2352091
Y: 467386

Surface Hole Loc. :
Lat: 36.278098
Lon: -96.805787
X: 2320491
Y: 467417

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. GPS data is observed from RTK - GPS.

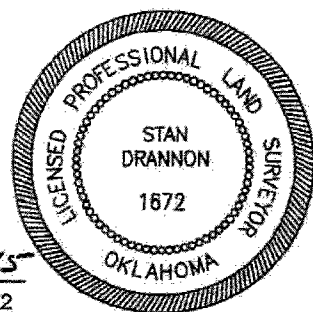
Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does NOT represent a true boundary survey.

NOTE: X and Y data shown hereon 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 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2016

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 #5255
Date Staked : 01/27/15 By : J.W.
Date Drawn : 01/28/15 By : T.S.

Stan Drannon 1/29/15
STAN DRANNON OK LPLS 1672