

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

API NUMBER: 117 20711 A

Approval Date: 04/16/2015
Expiration Date: 10/16/2015

Straight Hole Oil & Gas

PERMIT TO RE-ENTER

WELL LOCATION: Sec: 15 Twp: 20N Rge: 5E County: PAWNEE
SPOT LOCATION: NE SE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 981 2320

Lease Name: SULLIVAN (SULLIVAN 1) Well No: 1-15 Well will be 340 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

WILLIAM R. SULLIVAN
350108 EAST 5500 ROAD
MARAMEC OK 74045

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

Name	Depth	Name	Depth
1 CLEVELAND	2845	6 RED FORK	3450
2 BIG LIME	3030	7 MISSISSIPPIAN	3683
3 OSWEGO	3164	8 WOODFORD	3842
4 PRUE	3234	9 SIMPSON DOLOMITE	3889
5 SKINNER	3320	10 WILCOX	3919

Spacing Orders: 158111 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: Special Orders:

Total Depth: 4084 Ground Elevation: 1108 **Surface Casing: 0** Depth to base of Treatable Water-Bearing FM: 380

Cement will be circulated by use of a two-stage cementing tool from 480 to 0 .

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.

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- H. CBL REQUIRED

Category of Pit: 2
Liner not required for Category: 2
Pit Location is NON HSA
Pit Location Formation: VANOSS

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
ALTERNATE CASING	4/8/2015 - G71 - APPROVED WITH THE FOLLOWING CONDITIONS: (1) MUD UP PRIOR TO TD TO PROTECT SHALLOW SANDS, (2) 2-STAGE CEMENTING TOOL TO BE SET AT 100' BELOW BTW, & (3) COPY OF CBL NEEDS TO BE SUBMITTED TO THE TECHNICAL STAFF IMMEDIATELY. A COMPLETION ATTEMPT, IN CASES WHERE THE PROTECTION OF THE TREATABLE WATER IS QUESTIONABLE, IS STRICTLY PROHIBITED. RULE 165: 10-3-4 (D)(4)(C)
FRAC FOCUS	4/16/2015 - G64 - 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	4/10/2015 - G64 - BIG LIME, OSWEGO, WOODFORD, SIMPSON DOLOMITE, WILCOX, UNSPACED, 160 ACRE LEASE (NW4)
SPACING - 158111	4/10/2015 - G64 - (40) N2 15-20N-5E EST CLVD, PRUE, SKNR, RDFK, MSSP, OTHER
SURFACE CASING	4/16/2015 - G64 - 8 5/8" SET AT 215' PER 1002A & 1003
SURFACE LOCATION	4/16/2015 - G64 - IRR. SEC. 981 FNL, 1653 FSL, 2320 FWL, 340 FEL, NW4 15-20N-5E PER SURVEY PLAT

APC- 1172071A

Well Location Plat

Lease: 160 acres
NW/4

Sec. 15-20N-5E I.M.

Operator: TARKA ENERGY, LLC
Lease Name and No. : SULLIVAN 1-15
Footage : 981' FNL - 2320' FWL GR. ELEVATION : 1108' Good Site? YES
Section: 15 Township: 20N Range: 5E I.M.
County : Pawnee State of Oklahoma
Alternate Loc.: N/A
Terrain at Loc. : Location fell in pasture, fell on old pad site. Re-entry of old well bore.



1"=1000'

Accessibility : From the North.
Directions : From the intersection of State Highway 64 & State Highway 18 in the town of Pawnee, OK, go 6.75 miles South on HWY 18, then go 1.5 miles East on "EW 5500 Rd" to 2 track road, follow South to the Northeast Corner of Section 15-20N-5E.

GPS DATUM
NAD - 83
OK NORTH ZONE
GPS DATUM
NAD - 27
OK NORTH ZONE

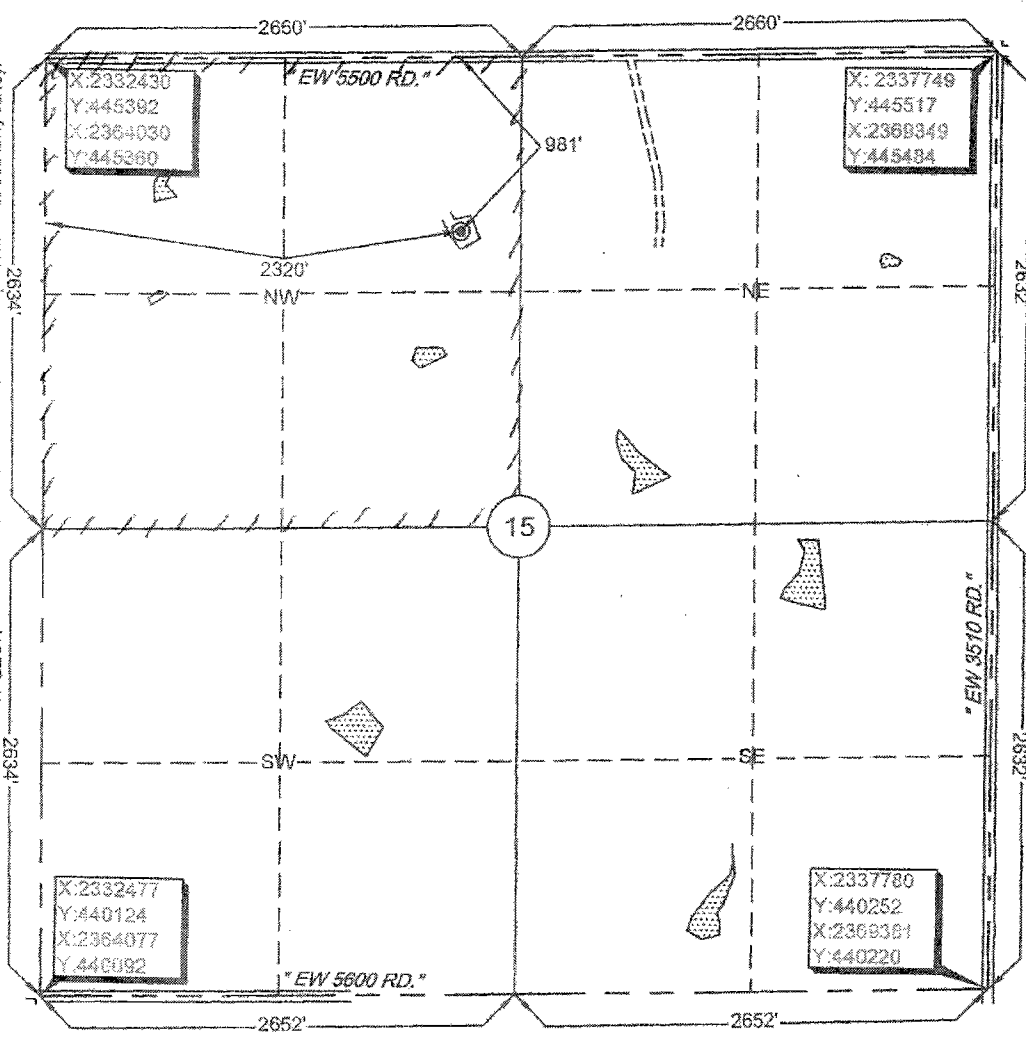
Surface Hole Loc.:
Lat: 36.21456283
Lon: -96.75836522
X: 2334758
Y: 444466

Surface Hole Loc.:
Lat: 36.21450511
Lon: -96.75807239
X: 2366369
Y: 444434

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. 918-465-8711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2016

Invoice #5368
Date Staked : 03/19/15 By : JW
Date Drawn : 03/19/15 By : TS

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.

Stan Drannon 3/24/15
STAN DRANNON OK LPLS 1672

