API NUMBER: 017 25122

Oil & Gas

Horizontal Hole

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

Approval Date: 11/21/2017
Expiration Date: 05/21/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 12N Rge: 6W County: CANADIAN

SPOT LOCATION: NE NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: **250 1210**

Lease Name: GLACIER 11-14-12-6 Well No: 1HX Well will be 250 feet from nearest unit or lease boundary.

Operator JONES ENERGY LLC Telephone: 5123282953 OTC/OCC Number: 21043 0

JONES ENERGY LLC

807 LAS CIMAS PKWY STE 350

AUSTIN, TX 78746-6193

MATTHEW CHARLS MACH 13600 NW 10TH STREET

YUKON OK 73099

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

 Name
 Depth
 Name
 Depth

 1
 MISSISSIPPIAN
 8468
 6

 2
 WOODFORD
 8793
 7

3 HUNTON 8925 8 4 9

Spacing Orders: 668588 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201702774 Special Orders:

201703067 20170559

Total Depth: 18773 Ground Elevation: 1281 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-40003
Chlorides Max: 5000 Average: 3000 H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 14 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: S2 S2 S2 SW
Feet From: SOUTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 8356 Radius of Turn: 477 Direction: 178

Total Length: 9668

Measured Total Depth: 18773

True Vertical Depth: 8925

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

MEMO

Category Description

DEEP SURFACE CASING 11/3/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 11/3/2017 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE:

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE

"FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

11/3/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201702774 11/21/2017 - G60 - (640)(HOR) 14-12N-6W

EXT 635714 MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NLT 660' FB

COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL

REC. 8/8/17 (MINMIER)

Category Description

PENDING CD - 201703067 11/21/2017 - G60 - (I.O.) 11 & 14-12N-6W

EST MULTIUNIT HÖRIŽONTAL WELL X668588 (11-12N-6W) MSSP, WDFD, HNTN X201702774 (14-12N-6W) MSSP, WDFD, HNTN

(MSSP AND HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)

50% 11-12N-6W 50% 14-12N-6W NO OP. NAMED REC. 10/3/17 (NORRIS)

PENDING CD - 201705959 11/21/2017 - G60 - (I.O.) 11 & 14-12N-6W

X668588 (11-12N-6W) MSSP, WDFD, HNTN X201702774 (14-12N-6W) MSSP, WDFD, HNTN

COMPL. INT. (11-12N-6W) NCT 165' FNL, NCT 0' FSL, NCT 1300' FWL COMPL. INT. (14-12N-6W) NCT 0' FNL, NCT 165' FSL, NCT 1300' FWL

NO OP. NAMED REC. 10/3/17 (NORRIS)

SPACING - 668588 11/21/2017 - G60 - (640)(HOR) 11-12N-6W

11/21/2017 - G60 - (640)(HOR) 11-12N-6W EXT 629376 MSSP. WDFD. HNTN COMPL. INT. (MSSP, HNTN) NCT 660' FB

COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST WITH SP. ORDER 135124/141550 MISS, HNTN)

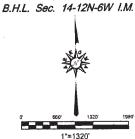
JONES Well Location Plat

Operator: JONES ENERGY, LTD.

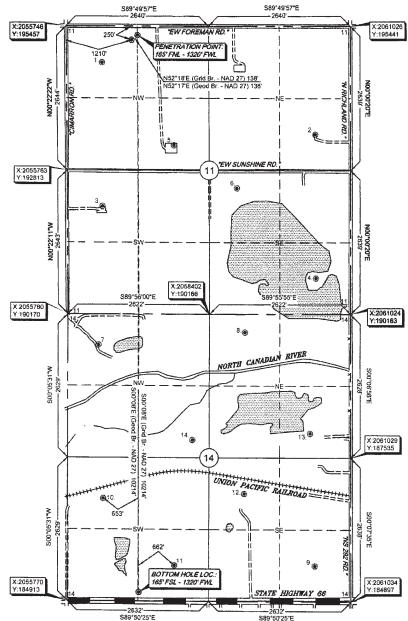
Lease Name and No.: GLACIER 11-14-12-6 1HX Footage: 250' FNL - 1210' FWL GR. ELEVATION: 1281' Section: 11 Township: 12N Range: 6W I.M.

State of Oklahoma

County: Canadian Terrain at Loc.: Location fell in open flat cultivated field. 3501725122



S.H.L. Sec. 11-12N-6W I.M.



GPS DATUM NAD 27 OK NORTH ZONE

Surface Hole Loc. Lat: 35°32'09.97"N Lon: 97°48'30.86"W X: 2056958 Y: 195203

Penetration Point: Lat: 35°32'10.81"N Lon: 97°48'29.54"W X: 2057067 Y: 195288

Bottom Hole Loc.: Lat: 35°30'29.79"N Lon: 97°48'29.50"W X: 2057090 Y: 185074

Quarter Section distances may be assumed from a Government Survey Plet 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 rule boundary survey.

boundary survey. Please note that this location was staked on the ground under the supervision of a Loansed Professional Land Surveyor, but the accuracy of this survey is not guare Please contact Akoms Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS

determined. GPS data is observed from Fix. - GPS
NOTE: X and Y data shown hereon for Section Corners may NOT have be on-the-ground, and softer, does NOT represent a true Boundary 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, 2018.
Invoice #7001-AA
Date Staked 1.07/09/17 By C.C.K

Date Staked : 07/06/17 By C.K.
Date Drawn : 07/10/17 By K.B.
Added PP & BHL : 08/02/17 By: K.B.
Rev PP & BHL : 08/07/17 By: R.S.

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.

08/08/17 dame & 1 LANCE G. MATHIS **OK LPLS 1664**

