API NUMBER: 017 25108

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: 11/15/2017
Expiration Date: 05/15/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 12N Rge: 6W County: CANADIAN

SPOT LOCATION: SW SE SW NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2324 740

Lease Name: ZION 13-24-12-6 Well No: 1HX Well will be 740 feet from nearest unit or lease boundary.

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

JONES ENERGY LLC

807 LAS CIMAS PKWY STE 350

AUSTIN, TX 78746-6193

CAREL RESOURCES LLC 15113 SW 74TH STREET

MUSTANG OK 73064

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

Name Depth Name Depth MISSISSIPPIAN 1 8308 6 2 WOODFORD 8620 7 3 HUNTON 8750 8 9 10

Spacing Orders: 668589 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201702654 Special Orders:

201702655 201700899 201707423

Total Depth: 16150 Ground Elevation: 1272 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 950

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: 17-33241

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 24 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: S2 SW SW SW Feet From: SOUTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 8063 Radius of Turn: 477 Direction: 183

Total Length: 7338

Measured Total Depth: 16150

True Vertical Depth: 8750

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

Notes:

MEMO

Category Description

DEEP SURFACE CASING 10/4/2017 - 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 10/4/2017 - 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

10/4/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201700899 10/17/2017 - G60 - (640)(HOR) 24-12N-6W

EST 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 140207 MISS, HNTN; SP. ORDER 142863 MCSTR, WDFD)

REC. 5/4/17 (THOMAS)

Category Description

PENDING CD - 201702654 10/16/2017 - G60 - (I.O.) 13 & 24-12N-6W

EST MULTIUNIT HÖRIZONTAL WELL

X201700899 (24-12N-6W) MSSP, WDFD, HNTN X668589 (13-12N-6W) MSSP, WDFD, HNTN

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

33.5% 13-12N-6W 66.5% 24-12N-6W NO OP. NAMED

REC. 9/19/17 (M. PORTER)

PENDING CD - 201702655 10/16/2017 - G60 - (I.O.) 13 & 24-12N-6W

X201700899 (24-12N-6W) MSSP, WDFD, HNTN X668589 (13-12N-6W) MSSP, WDFD, HNTN

COMPL. INT. (24-12N-6W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (13-12N-6W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

NO OP. NAMED

REC. 11/8/17 (M. PORTER)

PENDING CD - 201707423 11/14/2017 - G60 - (E.O.) 13-12N-6W

X668589 MSSP, WDFD, HNTN

1 WELL

NO OP. NAMED

REC. 11/14/17 (JACKSON)

SPACING - 668589 10/16/2017 - G60 - (640)(HOR) 13-12N-6W

VAC 141069 MISS, HNTN VAC 140135 MSSLM, HNTN EST MSSP, WDFD, HNTN

COMPL. INT. (MSSP, HNTN) NCT 660' FB

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

JONES Well Location Plat

Operator: JONES ENERGY, LTD.

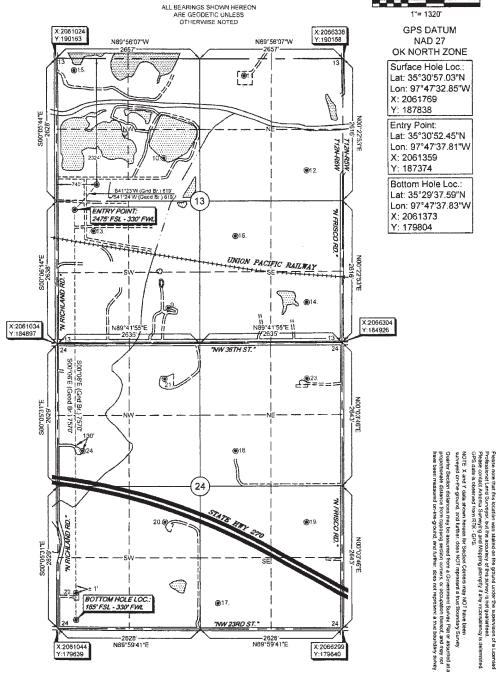
Lease Name and No.: ZION 13-24-12-6 1HX

Footage: 2324' FNL - 740' FWL Gr. Elevation: 1272' Section: 13 Township: 12N Range: 6W I.M.

County: Canadian State of Oklahoma

Terrain at Loc.: Location fell in an open, flat field with concrete.

3501725108



Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-571 Fex 918-465-5030 Certificate of Authorization No. 5348 Expires June 30, 2018

Invoice #7308-A-B Date Staked: 09/08/17 By: J.L. Date Drawn: 09/13/17 By: C.K.

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.





S.H.L. Sec. 13-12N-6W I.M. B.H.L. Sec. 24-12N-6W I.M.