API NUMBER: 011 23862

STAGHORN PETROLEUM II LLC

1 W 3RD ST STE 1000

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: 09/20/2017 03/20/2018 Expiration Date:

200 feet from nearest unit or lease boundary.

24056 0

OTC/OCC Number:

PERMIT TO DRILL

			PERIVIT TO	DRILL
WELL LOCATION: SPOT LOCATION:	Sec: 17 Twp: 19N Rge: 12 NW NW NW NW	COUNTY: BLA FEET FROM QUARTER: FROM SECTION LINES:	NORTH FROM	WEST
Lease Name: CROWS NEST		Well No:	19-12-08 1H	
Operator Name:	STAGHORN PETROLEUM II LLC		Telephone:	9185842558

ANGELA F. AND JOEY CANTELLAY JR, **ROUTE 1 BOX 172**

Well will be

LONGDALE OK 73755

TULSA. 74103-3500 OK Formation(s) (Permit Valid for Listed Formations Only): Name Depth

Name Depth MISSISSIPPI LIME 8700 1 6 2 7 3 8 4 9 5 10 Spacing Orders: Location Exception Orders: Increased Density Orders: No Spacing

Pending CD Numbers: 201705661 Special Orders:

201705660

Total Depth: 13850 Ground Elevation: 1491 Surface Casing: 600 Depth to base of Treatable Water-Bearing FM: 40

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

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

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: 17-33180 H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Chlorides Max: 8000 Average: 5000

Within 1 mile of municipal water well? N Wellhead Protection Area?

Pit is not located in a Hydrologically Sensitive Area.

Is depth to top of ground water greater than 10ft below base of pit? Y

Category of Pit: C

Liner not required for Category: C Pit Location is NON HSA

Pit Location Formation: BLAINE

HORIZONTAL HOLE 1

Sec 08 Twp 19N Rge 12W County BLAINE
Spot Location of End Point: N2 NW NW NW
Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Radius of Turn: 521

Depth of Deviation: 7970

Direction: 2 Total Length: 5062

Measured Total Depth: 13850

True Vertical Depth: 8770

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 9/15/2017 - 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 9/15/2017 - 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

INTERMEDIATE CASING 9/15/2017 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-

PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE

MORROW SERIES

PENDING CD - 201705660 9/20/2017 - G60 - (E.O.)(640)(HOR) 8-19N-12W

EST MSSLM, OTHERS COMPL. INT. NLT 660' FB

(COEXIST WITH SP. ORDER 106317 MSSLM)

REC. 9/18/17 (MCKEOWN)

PENDING CD - 201705661 9/20/2017 - G60 - (E.O.) 8-19N-12W

X201705660 MSSLM

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL

NO. OP. NAMED

REC. 9/15/17 (MCKEOWN)

Well Location Plat 3501123862

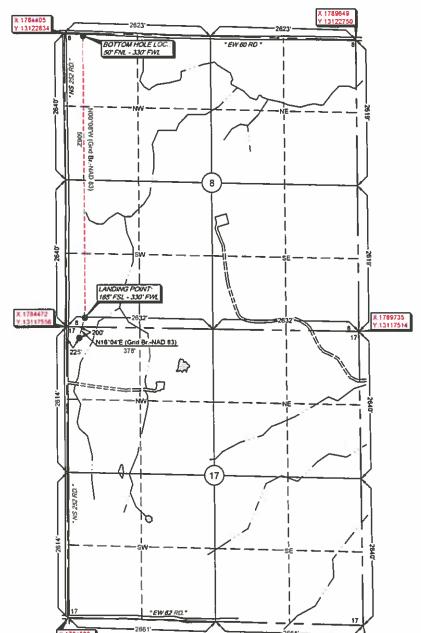
Lease Name and No.: CROWS NEST 19-12-08 1H

Footage: 200' FNL - 225' FWL GR. ELEVATION: 1491' Section: 17 Township: 19N Range: 12W I.M.

County: Blaine State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc.: Stake fell in a flat pasture with scattered trees throughout location.



S.H.L. Sec. 17-19N-12W I.M.

B.H.L. Sec. 8-19N-12W I.M.

GPS DATUM NAD - 83 NAD - 27

UTM - ZONE 14

Surface Hole Loc.: Lat: 36 07'44.90"N Lon 98 30 41 86 W Lat. 36.12910203 Lon -98 51126924 X: 1784699 Y 13117355 Landing Point: Lat 36 07'48 50"N Lon: 98"30'40.61"W

Lat. 36.13010103 Lon: -98 51092156 X 1784800 Y: 13117719 Bottom Hole Loc.:

Lat. 36"08'38.56"N Lon: 98 30'41.08"W Lat 36 14400733 Lon -98 51105372 X: 1784736 Y: 13122779

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

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 #7050

Date Staked: 04/07/17 By: C.K. Date Drawn: 04/11/17 By: P.B. Added LP & BHL: 04/18/17 BY: K.B. Rev. LP & BHL; 04/25/17 By: K.B. Rev. LP: 08/16/17

Quarter Section distances may be assumed from a Government Burley 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.

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 Man LANCE G. MATHIS

08/17/17

