API NUMBER: 073 25430

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: 11/18/2016
Expiration Date: 05/18/2017

PERMIT TO DRILL

| WELL LOCATION: | Sec: | 01 | Twp: | 15N | Rge: | 9W | County: | KINGFISHER | |
|----------------|------|----------------------|------|---------------|------|----|---------|------------|--|
| | | \neg $\overline{}$ | | $\overline{}$ | | _ | | | |

SPOT LOCATION: SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST SECTION LINES: 270 270

Lease Name: STANGL 2-15N-9W Well No: 1H Well will be 270 feet from nearest unit or lease boundary.

Operator DEVON ENERGY PRODUCTION CO LP Telephone: 4052353611; 4052353 OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE

OKLAHOMA CITY. OK 73102-5010

5677 E. 840 ROAD

TIMOTHY GEIS

KINGFISHER OK 73750

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

| l | Name | Depth | Name | Depth |
|---------------|---------------------------------------|-------|------|---------------------------|
| 1 | MISS'AN (EX CHESTER) | 8559 | 6 | |
| 2 | WOODFORD | 9615 | 7 | |
| 3 | | | 8 | |
| 4 | | | 9 | |
| 5 | | | 10 | |
| acing Orders: | No Spacing Location Exception Orders: | | | Increased Density Orders: |

Pending CD Numbers: 201604399 Special Orders:

201605175

Total Depth: 14625 Ground Elevation: 1161 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 210

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
Chlorides Max: 5000 Average: 3000

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

Pit **is not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Spac

Liner not required for Category: CPit Location is NON HSA

Pit Location Formation: CHICKASHA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31561

H. SEE MEMO

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

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

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 02 Twp 15N Rge 9W County KINGFISHER

Spot Location of End Point: NW NE NE NE Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 8889
Radius of Turn: 477
Direction: 357
Total Length: 4987

Measured Total Depth: 14625
True Vertical Depth: 9878
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 10/17/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS

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

SURFACE CASING

HYDRAULIC FRACTURING 10/17/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF

HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS

COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INTERMEDIATE CASING 10/17/2016 - 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

MEMO 10/17/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201604399 10/20/2016 - G75 - (640)(HOR) 2-15N-9W

EST MSNLC

EXT 637835/645167 WDFD

POE TO BHL (MSNLC) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

(COEXIST SP. ORDÉR # 222684 MSSLM)

REC 10-28-2016 (DUNN)

Category

Description

PENDING CD - 201605175

11/9/2016 - G75 - (E.O.) 2-15N-9W X201604399 MSNLC, WDFD COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL DEVON ENERGY PROD. CO., L.P. REC 11-18-2016 (COLAW) 214 East Main
Oklahoma City, OK 73104
405.787.6270 t 405.787.6276 f
www.craftontull.com
Crafton Tull
SURVEYING CA973(PE/IS) Exp. 6/30/18

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: STANGL 2-15N-9W

WELL NO. 1H

GOOD DRILL SITE: YES

KINGFISHER COUNTY, STATE: OK
GROUND ELEVATION: 1160.81 'GR. AT STAKE
SURFACE HOLE FOOTAGE: 270 'FWL - 270 'FSL

SECTION: 1 TOWNSHIP: T15N RANGE: R9W

BOTTOM HOLE: 2-T15N-R9W, I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE TOPOGRAPHY & VEGETATION:

TOPOGRAPHY & VEGETATIO
LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE CITY OF OKARCHE, WEST ON E0890 RD 8MI TO
N2740 RD, NORTH 5MI, SITE IS ON NE CORNER OF
INTERSECTION

PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RTK-GPS.

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.

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.

API 073-25430

<u>KINGFISHER</u> COUNTY, OKLAHOMA 270' FWL - 270' FSL SECTION <u>1</u> TOWNSHIP <u>15N</u> RANGE <u>9W</u> I.M.

SURFACE HOLE DATA STATE PLANE COORDINATES: **ZONE: OK-NORTH NAD27** X: 1965247.7 Y: 290697.6 NAD27 GPS DATUM: LAT: 35.79854572 LONG: -98.11718493 STATE PLANE COORDINATES: **ZONE: OK-NORTH NAD83** X: 1933648.7 Y: 290721.3 GPS DATUM: NAD83 LAT: <u>35.79858943</u> LONG: <u>-98.11752166</u>

BOTTOM HOLE DATA STATE PLANE COORDINATES: ZONE: OK-NORTH NAD27 X: 1964670.2 Y: 295635.9

GPS DATUM: NAD27 LAT: 35.81211045 LONG: -98.11915262

STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1933071.1
Y: 295659.6
GPS DATUM: NAD83

LAT: 35.81215379 LONG: -98.11948971 BOTTOM HOLE

INFORMATION PROVIDED BY OPERATOR LISTED.

NE COR. X=1970285 Y=293045 X=1970273 Y=290411 SEC. 1 SE COR. Y=295679 SEC. 1 X=1967627 Y=290417 Y=295683 1 STANGL 2-15N-9W 1H 270' FWL - 270' FSL 35° 47' 54.76" NORTH NW COR. SEC. 1 BOTTOM HOLE 98° 07' 01.87" WEST X:1965247.7 Y:290697.6 350' FEL - 50' FNL 35° 48' 43.60" NO RIH 98° 07' 08.95" WEST X:1964670.2 X=1965021 LAT: 35.79854572 LONG:-98.11718493 X=1964998 270 Y=293079 ELEV:1160.81 Y:295635.9 35.81211045 50 -SW COR X=1964975 SEC. 1 LONG:-98.11915262 /=290429 LAST PENETRATION POINT 350 350' FEL - 165' FNL FIRST PENETRATION POINT 350' FEL - 165' FSL Y=295684 X=1962327 X=1959753 X=1959716 Y=293059 Y=295681 Y=290417 SW COR. NW COR. SEC. 2 SEC. 2





GRAPHIC SCALE IN FEET

2000 1000 0 2000

| REVISION | " | STANGL 2-15N-9W 1H" | | | _ |
|----------|--------------------------------------------|---------------------|----|------------|--------|
| | PART OF THE KINGF | devon | | | |
| | SCALE: 1" = 2000' PLOT DATE: 11-07-2016 | DRAWN BY: | DW | SHEET NO.: | 1 OF 6 |