

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

API NUMBER: 073 25947

Approval Date: 02/28/2018

Expiration Date: 08/28/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 15N Rge: 9W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 275 950

Lease Name: GEIS 1-15N-9W

Well No: 6H

Well will be 275 feet from nearest unit or lease boundary.

Operator Name: 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

TIMOTHY GEIS & CAROLYN GEIS
5677 E. 840 ROAD
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	9180	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 658268

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800503

201800508

Special Orders:

Total Depth: 14201

Ground Elevation: 1185

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 150

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

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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-33856

H. SEE MEMO

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.

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 01 Twp 15N Rge 9W County KINGFISHER

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1150

Depth of Deviation: 8399

Radius of Turn: 477

Direction: 358

Total Length: 5053

Measured Total Depth: 14201

True Vertical Depth: 9180

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

Notes:

Category

Description

DEEP SURFACE CASING

1/29/2018 - 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

1/29/2018 - 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

1/29/2018 - 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

1/29/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

073 25947 GEIS 1-15N-9W 6H

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
PENDING CD - 201800503	1/31/2018 - G75 - 1-15N-9W X658268 MSNLC 6 WELLS NO OP. NAMED REC 2-6-2018 (MURER)
PENDING CD - 201800508	1/31/2018 - G75 - (I.O.) 1-15N-9W X658268 MSNLC X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL NO OP. NAMED REC 2-20-2018 (MURER)
SPACING - 658268	1/31/2018 - G75 -(640)(HOR) 1-15N-9W CONFIRM 268041 TO VAC 228215 CSTRU, CHUCM CONFIRM 268041 TO VAC 236068 MNNG EXT OTHER EST MSNLC POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 228215 MSSLM, MSSSD; ORDER # 268041 MNNG W2 & ORDER # 321750 MNNG E2)



300 Pointe Parkway Blvd.
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craftontull.com

Crafton Tull

SURVEYING CA973(P/E/S) Exp. 6/30/18

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: GEIS 1-15N-9W

WELL NO. 6H

GOOD DRILL SITE: YES

KINGFISHER COUNTY, STATE: OK

GROUND ELEVATION: 1185.44' GR. AT STAKE

SURFACE HOLE FOOTAGE: 950' FEL - 275' FSL

SECTION: 1 TOWNSHIP: T15N RANGE: R9W

BOTTOM HOLE: 1-T15N-R9W, I.M.

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:

FROM THE TOWN OF KINGFISHER HEAD WEST ON OK-3

±10.5MI TO N2740RD, HEAD SOUTH ±4MI TO E840RD, HEAD
EAST ±0.8MI, PAD SITE IS NORTH OF THE ROAD.

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.

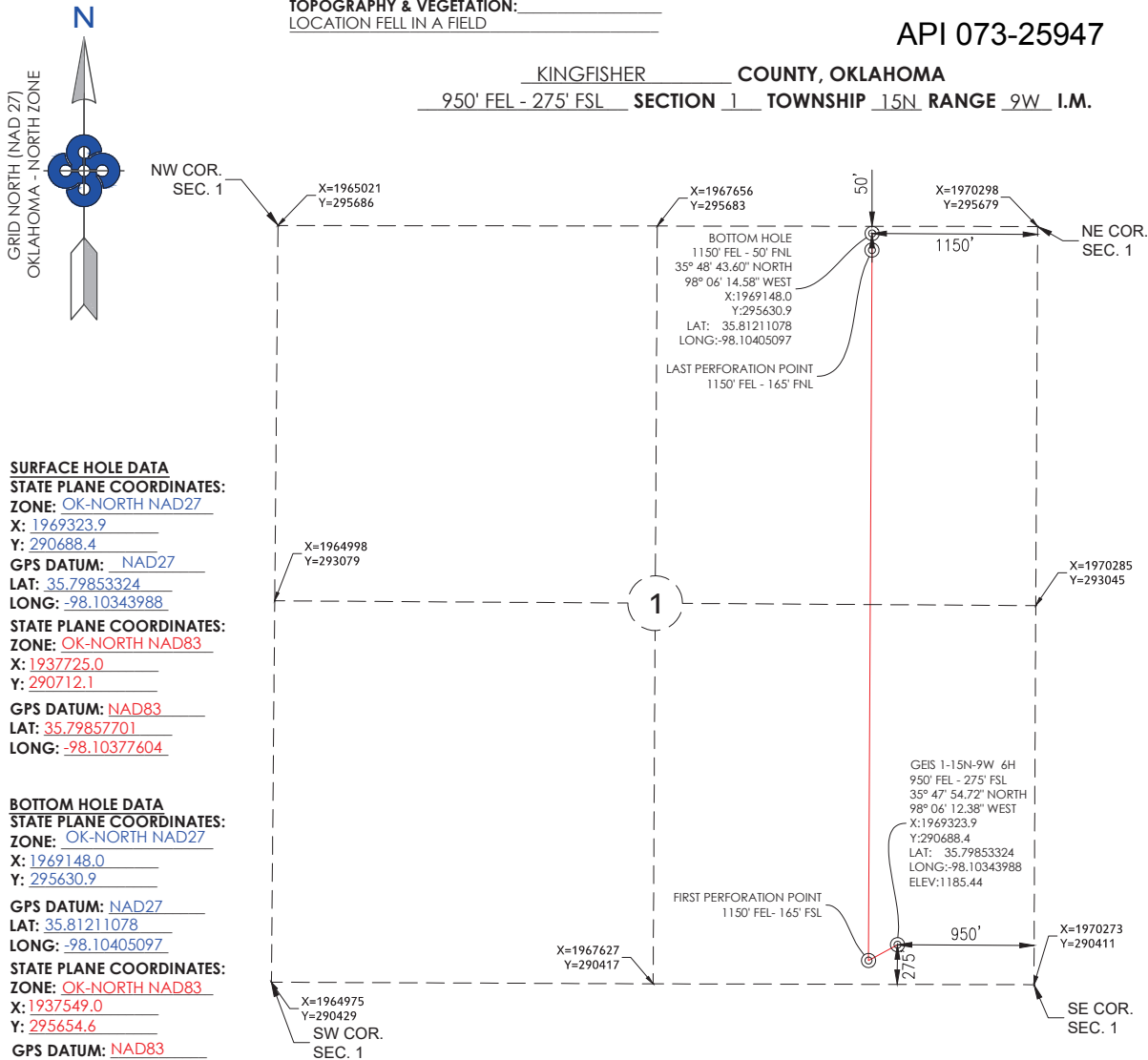
NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

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 073-25947

KINGFISHER COUNTY, OKLAHOMA

950' FEL - 275' FSL SECTION 1 TOWNSHIP 15N RANGE 9W I.M.




LAT: 35.81215419
LONG: -98.10438738

BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.

2018.01.16 14:47:07-06'00"

A circular professional seal for a land surveyor. The outer ring contains the text "LICENSED PROFESSIONAL LAND SURVEYOR" at the top and "OKLAHOMA" at the bottom. Inside the ring, the name "DENVER WINCHESTER" is written, with the year "1952" below it. A blue ink signature is written across the seal.

A horizontal graphic scale bar. It is divided into four segments: a black segment from 0 to 500 feet, a white segment from 500 to 1000 feet, a black segment from 1000 to 1500 feet, and a white segment from 1500 to 2000 feet. The numbers 1000, 500, 0, and 1000 are placed below the bar at their respective positions.

REVISION		"GEIS 1-15N-9W 6H"		 devon	
R1	PLUGGED WELLS SHOWN	PART OF THE SE/4 OF SECTION 1, T-15-N, R-9-W PROPOSED DRILL SITE KINGFISHER COUNTY, OKLAHOMA			
		SCALE: 1" = 1000'	DRAWN BY: DW	SHEET NO.: 1 OF 6	
		PLOT DATE: 01-16-2018			