

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

API NUMBER: 073 25473

Approval Date: 12/22/2016
Expiration Date: 06/22/2017

Straight Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 15N Rge: 9W County: KINGFISHER
SPOT LOCATION: SW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 600 280

Lease Name: SAFARI 1-15N-9W Well No: 1SWD Well will be 280 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

STEVE ALLEN AND MYRNA ANN RICHARDS
710 E. ROBBERTS
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	PENN SD	3060	6	
2	HEEBNER	5515	7	
3	TONKAWA	6230	8	
4	COTTAGE GROVE	6590	9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6900

Ground Elevation: 1130

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 180

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: FLOWERPOT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31970
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: FLOWERPOT

Notes:

Category	Description
DEEP SURFACE CASING	12/22/2016 - 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	12/22/2016 - 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	12/22/2016 - 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	12/22/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING	12/22/2016 - G71 - N/A - DISPOSAL WELL

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300 Pointe Parkway Blvd.
 Yukon, OK 73099
 405.787.6270 † 405.787.6276 f
 www.craftontull.com
Crafton Tull
 SURVEYING CA973(PE/LS) Exp. 6/30/18



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: SAFARI 1-15N-9W

WELL NUMBER: 1SWD

GOOD DRILL SITE: YES

KINGFISHER COUNTY, STATE: OK

GROUND ELEVATION: 1130.13' GR. AT STAKE

SURFACE HOLE FOOTAGE: 280' FWL - 600' FNL

SECTION: 1 **TOWNSHIP:** T15N **RANGE:** R9W

ACCESSIBILITY TO LOCATION: FROM WEST LINE

TOPOGRAPHY & VEGETATION:

LOCATION: FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 AT THE JCT. OF US-81 AND COUNTY LINE RD IN OKARCHE,
 HEAD WEST 8 MI TO N2740 RD, NORTH 6MI, SITE IS ON EAST
 SIDE OF RD

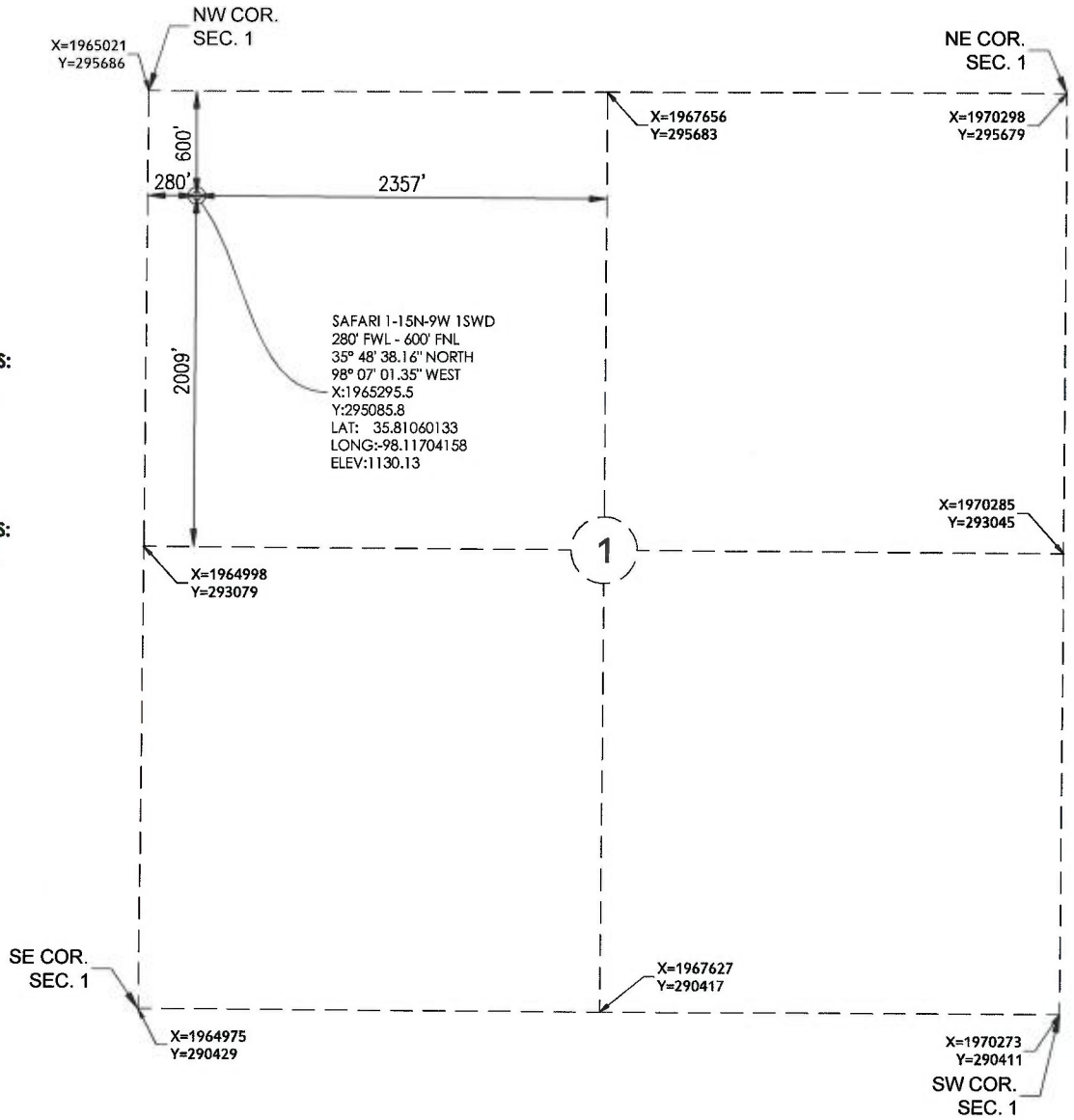
PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RTK-GPS.

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.

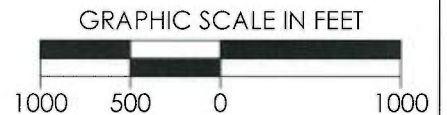
KINGFISHER COUNTY, OKLAHOMA

280' FWL - 600' FNL SECTION 1 TOWNSHIP 15N RANGE 9W I.M.



SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1965295.5
Y: 295085.8
GPS DATUM: NAD27
LAT: 35.81060133
LONG: -98.11704158
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1933696.4
Y: 295109.5
GPS DATUM: NAD83
LAT: 35.81064473
LONG: -98.11737857

SAFARI 1-15N-9W 1SWD
 280' FWL - 600' FNL
 35° 48' 38.16" NORTH
 98° 07' 01.35" WEST
 X: 1965295.5
 Y: 295085.8
 LAT: 35.81060133
 LONG: -98.11704158
 ELEV: 1130.13



REVISION	"SAFARI 1-15N-9W 1SWD"		
	PART OF THE NW/4 OF SECTION 1, T-15-N, R-9-W PROPOSED DRILL SITE KINGFISHER COUNTY, OKLAHOMA		
	SCALE: 1" = 1000'	PLOT DATE: 12-21-2016	