

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

API NUMBER: 017 24952

Approval Date: 12/08/2016
Expiration Date: 06/08/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 14N Rge: 9W County: CANADIAN
SPOT LOCATION: NW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 512

Lease Name: JORDAN 10_15-14N-9W Well No: 1HX Well will be 250 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

BONNIE JORDAN, TRUSTEE
P.O. BOX 7
CALUMET OK 73014

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

Name	Depth	Name	Depth
1 MISS'AN (EX CHESTER)	10394	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604698
201604699
201604700
201604701

Special Orders:

Total Depth: 20668 Ground Elevation: 1310 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 380

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: 16-31850

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 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: BLAINE

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: BLAINE

HORIZONTAL HOLE 1

Sec 15 Twp 14N Rge 9W County CANADIAN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 10137

Radius of Turn: 477

Direction: 179

Total Length: 9782

Measured Total Depth: 20668

True Vertical Depth: 10615

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

Notes:

Category

Description

DEEP SURFACE CASING

12/5/2016 - 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

12/5/2016 - 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/](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

12/5/2016 - 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

12/5/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201604698

12/6/2016 - G75 - (640)(HOR) 10-14N-9W
EXT 637977 MSNLC
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 179994 MSSD)
REC 11-8-2016 (P. PORTER)

PENDING CD - 201604699

12/6/2016 - G75 - (640)(HOR) 15-14N-9W
EST MSNLC
POE TO BHL NCT 660' FB
REC 11-8-2016 (P. PORTER)

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.

017 24952 JORDAN 10_15-14N-9W 1HX

Category	Description
PENDING CD - 201604700	12/6/2016 - G75 - ((I.O.) 10 & 15-14N-9W EST MULTIUNIT HORIZONTAL WELL X201604698 MSNLC 10-14N-9W X201604699 MSNLC 15-14N-9W 50% 10-14N-9W 50% 15-14N-9W DEVON ENERGY PROD. CO., L.P. REC 11-8-2016 (P. PORTER)
PENDING CD - 201604701	12/6/2016 - G75 - (I.O.) 10 & 15-14N-9W X201604698 MSNLC 10-14N-9W X201604699 MSNLC 15-14N-9W COMPL. INT. (10-14N-9W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (15-14N-9W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL DEVON ENERGY PROD. CO., L.P. REC 11-8-2016 (P. PORTER)

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.



214 East Main
Oklahoma City, OK 73104
405.787.6270 t 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: JORDAN 10_15-14N-9W

WELL NO. 1HX

GOOD DRILL SITE: YES

CANADIAN COUNTY, STATE: OK

GROUND ELEVATION: 1309.68' GR. AT STAKE

SURFACE HOLE FOOTAGE: 512' FEL - 250' FNL

SECTION: 10 TOWNSHIP: T14N RANGE: R9W

BOTTOM HOLE: 15-T14N-R9W, I.M.

ACCESSIBILITY TO LOCATION: FROM NORTH LINE

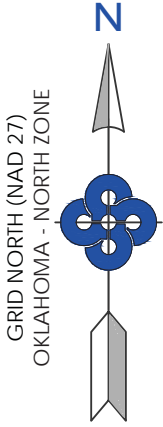
TOPOGRAPHY & VEGETATION: _____

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: _____
FROM THE TOWN OF OKARCHE, HEAD WEST ON COUNTY
LINE RD 8MI, SOUTH ON N2740 RD 1MI TO E900 RD, WEST
1MI TO INTER WITH N2730 RD, SITE IS SOUTHWEST OF INTER.

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.

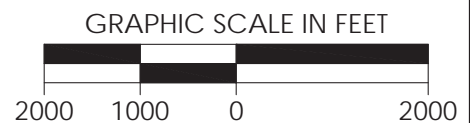
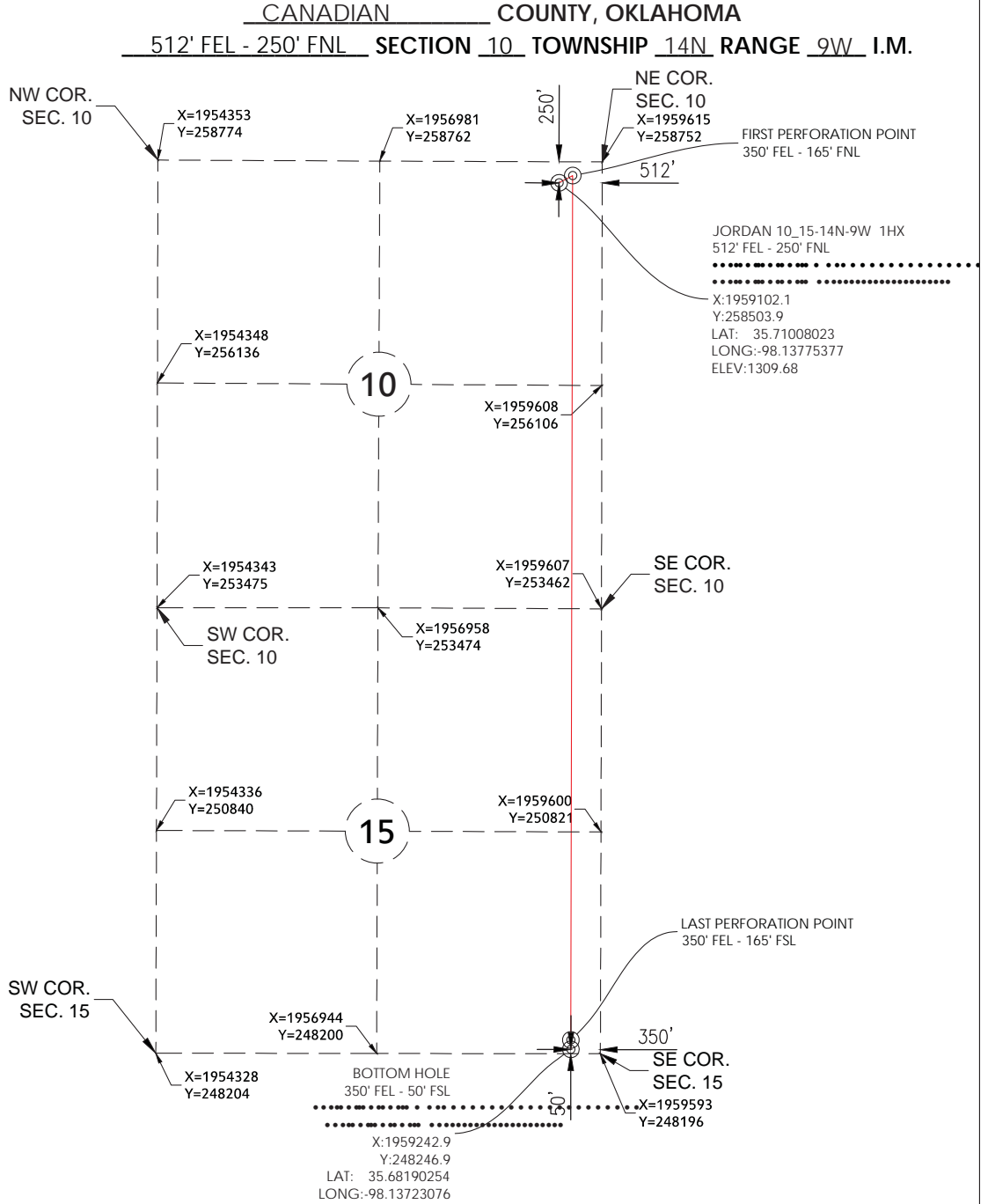
API 017-24952



SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1959102.1
Y: 258503.9
GPS DATUM: NAD27
LAT: 35.71008023
LONG: -98.13775377
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1927503.4
Y: 258527.7
GPS DATUM: NAD83
LAT: 35.71012629
LONG: -98.13808958

BOTTOM HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1959242.9
Y: 248246.9
GPS DATUM: NAD27
LAT: 35.68190254
LONG: -98.13723076
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1927644.3
Y: 248270.7
GPS DATUM: NAD83
LAT: 35.68194939
LONG: -98.13756603

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION		"JORDAN 10_15-14N-9W 1HX"		
R1	BHL & PERF DATA	PART OF THE NE/4 OF SECTION 10, T-14-N, R-9-W PROPOSED DRILL SITE CANADIAN COUNTY, OKLAHOMA		
SCALE: 1" = 2000'		PLOT DATE: 10-24-2016		SHEET NO.: 1 OF 6
DRAWN BY: DW		DRAWN BY: DW		