API NUMBER: 017 25914

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

Approval Date:	02/02/2023	
Expiration Date:	08/02/2024	

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 15 Township: 13N Range: 9W C	County: CANADIAN
SPOT LOCATION: NE SW SW SE FEET FROM QUARTER: FROM S	SOUTH FROM EAST
	55 2159
Lease Name: ED HALEY 15-13N-9W Well No: 4	
Operator Name: DEVON ENERGY PRODUCTION CO LP Telephone: 4	052353611; 4052353611; OTC/OCC Number: 20751 0
DEVON ENERGY PRODUCTION CO LP	MICHAEL AND ANN HUFNAGEL
333 W SHERIDAN AVE	PO BOX 82
OKLAHOMA CITY, OK 73102-5015	OKARCHE OK 73762
Formation (a) (Power't Valid for Linted Formations Only)	
Formation(s) (Permit Valid for Listed Formations Only):	
Name Code Depth	
1 MISSISSIPPIAN (LESS CHESTER) 359MSNLC 11415	
Spacing Orders: 729635 Location Exception	on Orders: 730310 Increased Density Orders: No Density
Pending CD Numbers: No Pending Working interes	est owners' notified: *** Special Orders: No Special
•	
Total Depth: 16355 Ground Elevation: 1403 Surface Ca	sing: 1500 Depth to base of Treatable Water-Bearing FM: 160
	Deep surface casing has been approved
Under Federal Jurisdiction: No	_
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Under Federal Jurisdiction: No	Deep surface casing has been approved Approved Method for disposal of Drilling Fluids:
Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes	Deep surface casing has been approved Approved Method for disposal of Drilling Fluids: D. One time land application (REQUIRES PERMIT) PERMIT NO: 23-38808 H. (Other) SEE MEMO
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HORIZONTAL HOLE 1

Section: 15 Township: 13N Range: 9W Meridian: IM Total Length: 5065

County: CANADIAN Measured Total Depth: 16355

Spot Location of End Point: NW NW NE NE True Vertical Depth: 12000

Feet From: NORTH 1/4 Section Line: 50 End Point Location from
Feet From: EAST 1/4 Section Line: 1310 Lease,Unit, or Property Line: 50

Additional Surface Owner(s)	Address	City, State, Zip
THOMAS HUFNAGEL	PO BOX 692	OKARCHE, OK 73762

NOTES:	
Category	Description
DEEP SURFACE CASING	[1/30/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[1/30/2023 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
LOCATION EXCEPTION - 730310	[2/2/2023 - G56] - (I.O.) 15-13N-9W X729635 MSNLC COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 990' FEL DEVON ENERGY PROD CO, LP 12/5/2022
MEMO	[1/30/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 574871	[2/2/2023 - G56] - (640)(HOR) 15-13N-9W EST MSNLC POE TO BHL NLT 660' FB