

API NUMBER: 019 04546 D

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

Approval Date: 02/12/2020

Expiration Date: 08/12/2021

Directional Hole Oil & Gas

Amend reason: OCC CORRECTION - CHANGE NOTICE OF
INTENT TO AMEND

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 31 Township: 2S Range: 2W County: CARTER

SPOT LOCATION: ☐ NW ☐ SE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 665 679

Lease Name: J H BENNETT 16

Well No: 1-31

Well will be 665 feet from nearest unit or lease boundary.

Operator Name: SPRING OPERATING COMPANY

Telephone: 4053406811

OTC/OCC Number: 20386 0

SPRING OPERATING COMPANY

PO BOX 2048

EDMOND, OK 73083-2048

DONNA KAYE SEARS

2404 NW 113TH STREET

OKLAHOMA CITY OK 73120

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

	Name	Code	Depth
1	SYCAMORE	352SCMR	4900
2	WOODFORD	319WDFD	4954
3	HUNTON	269HNTN	5078
4	VIOLA	202VIOL	6100
5	HUMPHREYS	401HMPR	7110

	Name	Code	Depth
6	GOODWIN	401GDWN	8270

Spacing Orders: 615371

Location Exception Orders: 676980

Increased Density Orders: No Density Orders

Pending CD Numbers: 202000178

Special Orders: No Special Orders

Total Depth: 10027

Ground Elevation: 952

Surface Casing: 646 IP

Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

DIRECTIONAL HOLE 1

Section: 31 Township: 2S Range: 2W

County: CARTER

Measured Total Depth: 10027

Spot Location of End Point: NE NE NW NW

True Vertical Depth: 9972

Feet From: SOUTH 1/4 Section Line: 2378

End Point Location from

Feet From: WEST 1/4 Section Line: 1142

Lease, Unit, or Property Line: 262

NOTES:

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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
HYDRAULIC FRACTURING	<p>12/17/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
LOCATION EXCEPTION - 676980 (201706314)	<p>2/12/2020 - GC2 - (F.O.) NW4 31-2S-2W X615371 HMPR, GDWN, SCMR, WDFD, HNTN, VIOL SHL 665' FNL, 679' FWL POE (SCMR) 535' FNL, 774' FWL POE (SCMR) 532' FNL, 779' FWL POE (WDFD) 532' FNL, 779' FWL POE (WDFD) 529' FNL, 786' FWL POE (HNTN) 529' FNL, 786' FWL POE (HNTN) 489' FNL, 813' FWL POE (VIOL) 461' FNL, 858' FWL POE (VIOL) 336' FNL, 1,046' FWL POE (HMPR) 314' FNL, 1,087' FWL POE (HMPR) 297' FNL, 1,111' FWL POE (GDWN) 269' FNL, 1,134' FWL POE (GDWN) 262' FNL, 1,145' FWL SPRING OPERATING COMPANY 4-30-2018</p>
PENDING CD - 202000178	<p>2/12/2020 - GC2 - (I.O.) NW4 31-2S-2W AMD 676980 TO REFLECT CORRECT EXIT DEPTH OF HMPR FROM 7,302' TO 7,350'. REC. 2-11-2020 (HUBER)</p>
SPACING - 615371	<p>10/11/2017 - G60 - (160) 31-2S-2W VAC 310642 WDFD NW4 EXT 590363 WDFD, HNTN, VIOL, SMPS, OTHERS EST OTHERS</p>
SURFACE HOLE LOCATION	<p>3/21/2017 - G60 - 665' FNL AND 679 FWL PER STAKING PLAT</p>