

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

API NUMBER: 053 23451

Approval Date: 12/09/2016

Expiration Date: 06/09/2017

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 28N Rge: 8W

County: GRANT

SPOT LOCATION: C SE NW

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 660 660

Lease Name: SILVER PEAK

Well No: 1-27

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: CHARTER OAK PRODUCTION CO LLC

Telephone: 4052860361

OTC/OCC Number: 21672 0

CHARTER OAK PRODUCTION CO LLC
13929 QUAIL POINTE DR
OKLAHOMA CITY, OK 73134-1037

SCHMITZ FAMILY FARMS, LLC
5412 W. 8TH AVE.
STILLWATER OK 74074

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

	Name	Depth		Name	Depth
1	LAYTON	4050	6	MISSISSIPPI LIME	5200
2	CHECKERBOARD	4530	7	MISENER	5630
3	OSWEGO	4700	8	VIOLA	5650
4	CHEROKEE SAND	4850	9	SIMPSON	5680
5	MISSISSIPPI CHAT	5100	10	2ND WILCOX	5700

Spacing Orders: 212304
253468
143502

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6450

Ground Elevation: 1168

Surface Casing: 250

Depth to base of Treatable Water-Bearing FM: 160

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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 located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

Notes:

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.

Category	Description
HYDRAULIC FRACTURING	12/7/2016 - 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.
SPACING - 143502	12/9/2016 - G64 - (320) 27-28N-8W SU NW/SE EST LYTN, CCKB, OSWG, MSSCT, MSNR, VIOL, SMPS, WLCX2, OTHERS
SPACING - 212304	12/9/2016 - G64 - (320) 27-28N-8W SU NW/SE VAC OTHER EXT OTHER EST MSSLM
SPACING - 253468	12/9/2016 - G64 - (320) 27-28N-8W SU NW/SE EXT/REFORM 31025 CHRKS

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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.

053 23451 SILVER PEAK 1-27

API: 053 23451



CIMARRON
SURVEYING & MAPPING CO.

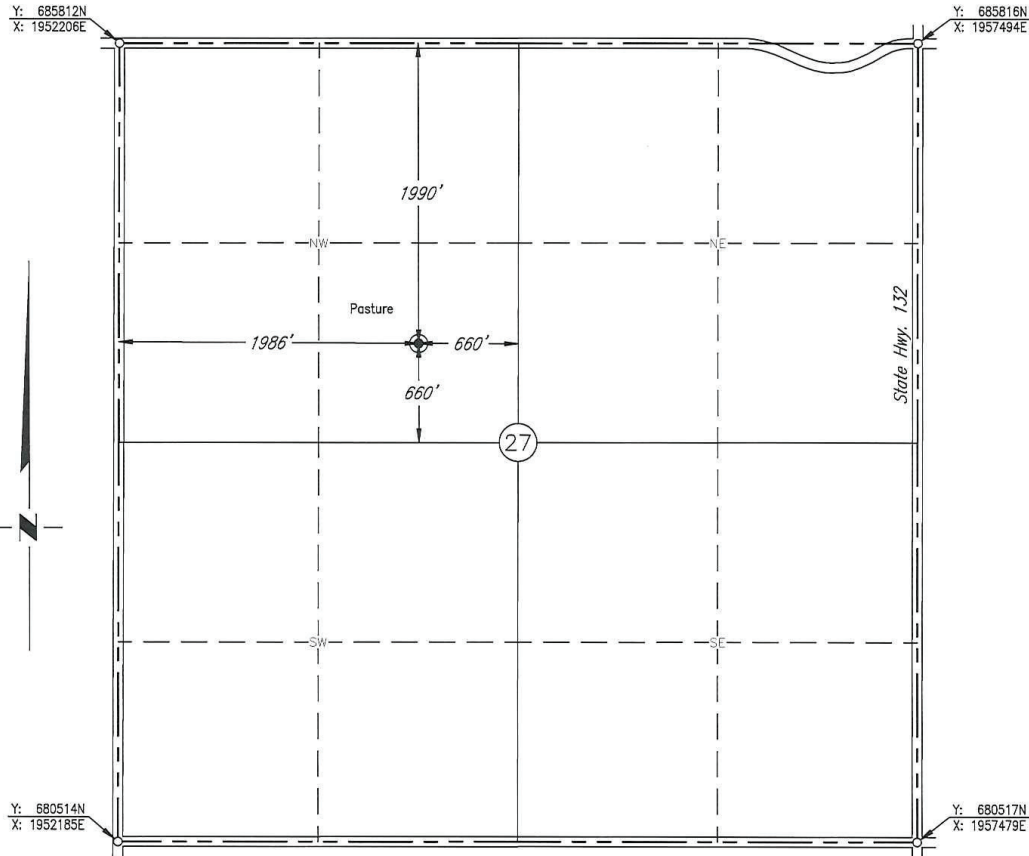
C.A. No. 1780 Expires JUNE 30, 2018

OKLAHOMA CITY, OK
(405) 692-7348
CIMSURVEY.COM

GRANT

County, Oklahoma

660'FSL - 660'FEL - NW/4 Section 27 Township 28N Range 8W I.M.



Scale: 1" = 1000'

Date Staked: November 3, 2016

GPS Observation: Latitude 36°52'42.427" N

Longitude 98°02'56.202" W

Latitude 36.87845 N

Longitude 98.04894 W

State Plane NAD27 Y: 683823N

Oklahoma North Zone: X: 1954183E

Operator: CHARTER OAK PRODUCTION, CO., LLC

Elevation: 1168'

Lease Name: SILVER PEAK

Well No.: 1-27

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the West Line

Distance & Direction

from Hwy Jct or Town: From the junction of State Hwy. 11 & State Hwy. 132; Thence north 5 miles along State Highway 132; Thence west 1 mile to the Northwest Corner of Section 27.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.

JOB NO.: 1614262				
DATE: 11/08/16				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

D. Mike Dossey
D. MIKE DOSSEY R.P.L.S. # 1431

