

API NUMBER: 045 23832

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

Approval Date: 03/05/2020

Expiration Date: 09/05/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 30 Township: 17N Range: 23W County: ELLIS

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 227 1144

Lease Name: STUDDISH 19-17-23 Well No: 1HC Well will be 227 feet from nearest unit or lease boundary.

Operator Name: FOURPOINT ENERGY LLC Telephone: 3032900990 OTC/OCC Number: 23429 0

FOURPOINT ENERGY LLC
100 SAINT PAUL ST STE 400
DENVER, CO 80206-5140

CRIPPLE BEAR LLC
833 PANORAMA CIRCLE
ESTES PARK CO 80517

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

Name	Code	Depth
1 CLEVELAND	405CLVD	9862

Spacing Orders: 631276

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202000109

Special Orders: No Special Orders

202000110

Total Depth: 15304

Ground Elevation: 2327

Surface Casing: 820

Depth to base of Treatable Water-Bearing FM: 670

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 20-37278

H. SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

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.

HORIZONTAL HOLE 1

Section: 19	Township: 17N	Range: 23W	Total Length: 5094
County: ELLIS			Measured Total Depth: 15304
Spot Location of End Point: NW	NE	NE	NE
Feet From: NORTH			1/4 Section Line: 10
Feet From: EAST			1/4 Section Line: 440
End Point Location from			True Vertical Depth: 10000
Lease, Unit, or Property Line: 10			

NOTES:

Category	Description
HYDRAULIC FRACTURING	2/24/2020 - GC2 - OCC 165:10-3-10 REQUIRES: 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; 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, 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
MEMO	2/24/2020 - GC2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202000109	3/5/2020 - GB1 - (I.O.) 19-17N-23W X631276 CLVD COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 330' FEL NO OP NAMED REC 2/10/2020 (JOHNSON)
PENDING CD - 202000110	3/5/2020 - GB1 - 19-17N-23W X631276 CLVD 1 WELL NO OP NAMED REC 2/10/2020 (JOHNSON)
SPACING - 631276	3/5/2020 - GB1 - (640)(HOR) 19-17N-23W EXT 610862 CLVD COMPL INT NCT 660' FB

This permit does not address the right of entry or settlement of surface damages.

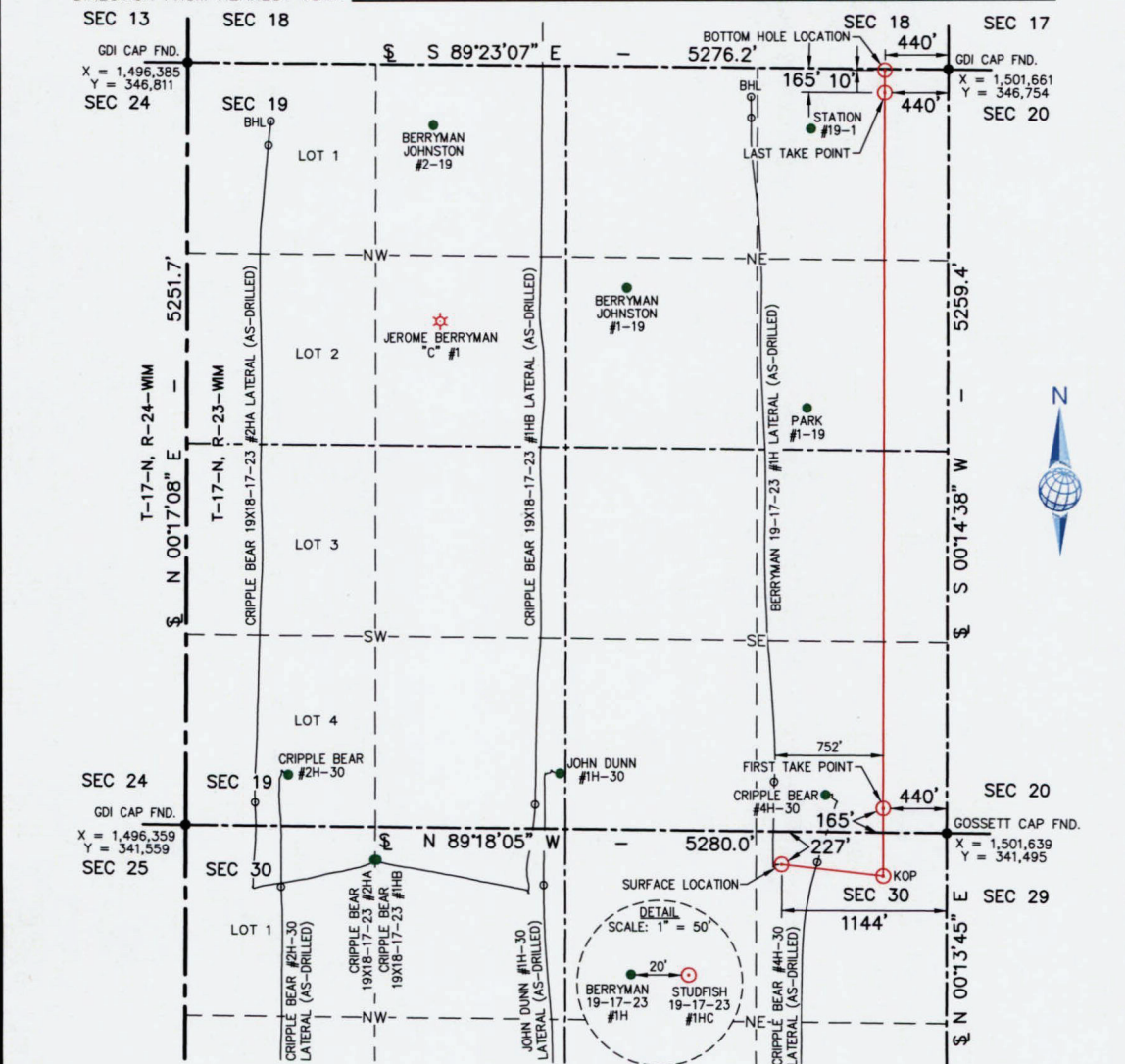
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

045 23832 STUDFISH 19-17-23 1HC

PROPOSED NEW WELL LOCATION PLAT

COMPANY FOURPOINT ENERGY, LLC LEASE STUDFISH 19-17-23 WELL NO. 1HC
 SECTION 30 TOWNSHIP 17-N RANGE 23-WM LOCATION 227' FNL 1144' FEL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION EXISTING PAD
 LATITUDE 35°55'32.32" LONGITUDE -99°41'13.68" NAD83 ELEVATION 2327' NAVD88 DATE STAKED 12/18/19
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.5 MILES SOUTHEAST OF ARNETT, OKLAHOMA



WELL LEGEND

- PERMITTED
- ◇ DRY HOLE
- OIL
- ★ GAS
- ★ OIL/GAS
- ★ PLUGGED OIL
- ★ PLUGGED GAS
- ★ PLUGGED OIL/GAS

NOTE:

1. This plat is intended for Oklahoma Corporation Commission Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
2. Bearings and dimensions shown are based on Grid Azimuth and Grid distance. All X,Y coordinates are based on NAD27, Oklahoma North Zone, U.S. Feet.
3. X,Y Coordinates were derived from GPS static survey observations and/or RTK survey methods.
4. As-drilled data shown on this plat was provided by client and/or third party. Information was not nor has not been field verified by Surveyor.

SURFACE LOCATION
227' FNL & 1144' FEL
OF SECTION 30

NAD27:
X = 1,500,494
Y = 341,281
35°55'32.32"
-99°41'13.68"
35.9256444"
-99.6871333"
NAD83:
X = 1,468,891
Y = 341,308
35°55'32.48"
-99°41'15.08"
35.9256889"
-99.6875222"

FIRST TAKE POINT
165' FSL & 440' FEL
OF SECTION 19

NAD27:
X = 1,501,199
Y = 341,665
35°55'36.23"
-99°41'05.19"
35.9267306"
-99.6847750"
NAD83:
X = 1,469,596
Y = 341,692
35°55'36.39"
-99°41'06.59"
35.9267750"
-99.6851639"

LAST TAKE POINT
165' FNL & 440' FEL
OF SECTION 19

NAD27:
X = 1,501,220
Y = 346,594
35°56'24.98"
-99°41'05.97"
35.9402722"
-99.6849917"
NAD83:
X = 1,469,617
Y = 346,621
35°56'25.14"
-99°41'07.37"
35.9403167"
-99.6853806"

BOTTOM HOLE LOCATION
10' FNL & 440' FEL
OF SECTION 19

NAD27:
X = 1,501,221
Y = 346,594
35°56'26.51"
-99°41'05.99"
35.9406972"
-99.6849972"
NAD83:
X = 1,469,618
Y = 346,776
35°56'26.67"
-99°41'07.39"
35.9407417"
-99.6853861"

STUDFISH 19-17-23 #1HC

LINE	GRID AZ	DISTANCE
SL-KOP	96°36'	708'
KOP-FTP	00°15'	465'
FTP-LTP	00°15'	4929'
LTP-BHL	00°15'	155'

WELL NAME	DISTANCE TO HORIZ.
JER. BERRYMAN "C" #1	3075'
BERRYMAN JOHN #1-19	1784'
BERRYMAN JOHN #2-19	3126'
STATION #19-1	510'
PARK #1-19	535'

OKLA. COORDINATE SYSTEM
NAD-27
OKLAHOMA NORTH ZONE
U.S. FEET

Scale 1" = 1000'
-1000 -500 0 1000

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: _____

DATED: 12/31/19



LAND SURVEYING • GIS
BEYOND MAPPING.COM
105 HACKBERRY TRAIL • CANADIAN, TX 79014
(806) 323-9773 • TEXAS FIRM NO. 10010100
CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2020



100 ST. PAUL STREET • SUITE 400 • DENVER, CO 80206

STUDFISH 19-17-23 #1HC
FIELD: JT,KB,AH,GPS
DRAWN: MLS
DATE: 12/31/19
CHECKED: CBM
SHEET: 1 OF 4
REVISION:



JOB NO. C219-210-1