

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

API NUMBER: 045 23795

Approval Date: 04/19/2019

Expiration Date: 10/19/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 18N Rge: 23W County: ELLIS

SPOT LOCATION: S2 S2 SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 660

Lease Name: SPYDERCO 31/6 DM

Well No: #1HS

Well will be 200 feet from nearest unit or lease boundary.

Operator MEWBOURNE OIL COMPANY
Name:

Telephone: 9035612900

OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY
PO BOX 7698
TYLER, TX 75701

THE SHREWDER TRUST
P.O. BOX 542016
OMAHA NE 78154

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

	Name	Depth	Name	Depth
1	CHEROKEE	10140	6	
2	CHEROKEE GROUP	10140	7	
3			8	
4			9	
5			10	

Spacing Orders: 170087
579707
692475

Location Exception Orders: 692476

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 20810

Ground Elevation: 2472

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 810

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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

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

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

PERMIT NO: 19-36478

H. SEE MEMO

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 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

HORIZONTAL HOLE 1

Sec 06 Twp 17N Rge 23W County ELLIS

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 9822

Radius of Turn: 562

Direction: 180

Total Length: 10105

Measured Total Depth: 20810

True Vertical Depth: 10350

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

4/10/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

4/10/2019 - G71 - 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: OCCEWEB.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

LOCATION EXCEPTION - 692476

4/19/2019 - G56 - (I.O.) 31-18N-23W & 6-17N-23W
X170087 CHRGP 6-17N-23W
X579707 CHRK 31-18N-23W
COMPL INT (31-18N-23W) NCT 0' FSL, NCT 165' FNL, NCT 440' FWL
COMPL INT (6-17N-23W) NCT 0' FNL, NCT 165' FSL, NCT 440' FWL
NO OP NAMED
3/6/2019

MEMO

4/10/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

045 23795 SPYDERCO 31/6 DM #1HS

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
SPACING - 170087	4/19/2019 - G56 - (640) 31-18N-23W & 6-17N-23W EXT OTHERS EST CHRGP, OTHERS
SPACING - 579707	4/19/2019 - G56 - (640)(HOR) 31-018N-23W EST CHRK, OTHERS COMPL INT NCT 660' FB (COEXIST WITH PRODUCING NON HORIZONTAL SP UNITS)
SPACING - 692475	4/19/2019 - G56 - (I.O.) 31-18N-23W & 6-17N-23W ESTABLISH MULTIUNIT HORIZONTAL WELL X170087 CHRGP 6-17N-23W X579707 CHRK 31-18N-23W 50% 6-17N-23W 50% 31-18N-23W NO OP NAMED 3/6/2019

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