

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

API NUMBER: 141 20457

Approval Date: 11/09/2012
Expiration Date: 05/09/2013

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 2S Rge: 17W County: TILLMAN
SPOT LOCATION: C NW NW SE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2310 330

Lease Name: TREADWELL Well No: 1 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: FULCRUM EXPLORATION LLC Telephone: 2145137610 OTC/OCC Number: 22183 0

FULCRUM EXPLORATION LLC
3700 FORUMS DR STE 112
FLOWER MOUND, TX 75028-1849

CASSIDY BROS, LP
PO BOX 200
STROUD OK 74079

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

	Name	Depth	Name	Depth
1	CISCO	2850	6	
2	CANYON	2935	7	
3	STRAWN	3660	8	
4	SIMPSON	4540	9	
5			10	

Spacing Orders: 593868

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201206277

Special Orders:

Total Depth: 5000

Ground Elevation: 1231

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 100

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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.

141 20457 TREADWELL 1

Category	Description
PENDING CD - 201206277	11/9/2012 - G30 - N2 SE4 33-2S-17W X593868 CSCO, CNYN, STRN, SMPS, OTHER 330 FNL, 330 FWL NO OP. NAMED REC 10/22/12 (P.PORTER)
SPACING - 593868	9/20/2012 - G30 - (80) SE4 33-2S-17W LD NE/SW VAC OTHER VAC 23520 CNLM VAC 31272 CSCO, STRN EXT 557849/565059 CSCO, CNYN, STRN, OTHER EST SMPS

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