

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

API NUMBER: 007 25613

Approval Date: 05/22/2013
Expiration Date: 11/22/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 2N Rge: 22ECM County: BEAVER

SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 700

Lease Name: PATZKOWSKY Well No: 1-28XLH Well will be 250 feet from nearest unit or lease boundary.

Operator Name: CABOT OIL & GAS CORPORATION Telephone: 2818482620 OTC/OCC Number: 18246 0

CABOT OIL & GAS CORPORATION
840 GESSNER RD STE 1200
HOUSTON, TX 77024-4142

REVOCABLE TRUST OF LAVANDA F WEILMUNSTER,
RICHARD WEILMUNSTER TRUSTEE
1000 N. STAR DRIVE # 1
STILLWATER OK 74075

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

Name	Depth	Name	Depth
1 MARMATON	6314	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201302757
201302758

Special Orders:

Total Depth: 16600 Ground Elevation: 2849 Surface Casing: 1700 Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: Yes 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: 60000 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: 13-23100
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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.

HORIZONTAL HOLE 1

Sec 21 Twp 2N Rge 22E County BEAVER

Spot Location of End Point: E2 NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 5700

Radius of Turn: 670

Direction: 360

Total Length: 9714

Measured Total Depth: 16600

True Vertical Depth: 6370

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	5/13/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING CD - 201302757	5/13/2013 - G30 - (640 HOR)(IRR) E2 21 & E2 28-2N-22ECM EXT 574187 MRMN (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS) REC 5/22/13 (LEAVITT)
PENDING CD - 201302758	5/13/2013 - G30 - E2 21 & E2 28-2N-22ECM X201302757 MRMN COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 660 FEL OF E2 21 & E2 28 NO OP. NAMED REC 5/22/13 (LEAVITT)

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.

007 25613 PATZKOWSKY 1-28XLH