

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

API NUMBER: 007 25557

Approval Date: 10/16/2012
Expiration Date: 10/16/2013

Straight Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 5N Rge: 24ECM County: BEAVER

SPOT LOCATION: SE SE SW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2467 1188

Lease Name: DUNCAN Well No: 1-1 SWD Well will be 1188 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

RA DUNCAN & VIOLA DUNCAN
PO BOX 610
LAVERNE OK 73848

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

| Name | Depth | Name | Depth |
|----------|-------|------|-------|
| 1 TOPEKA | 3690 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3850 Ground Elevation: 3641 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 330

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 60000 Average: 5500

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 12-21451
H. CLOSED SYSTEM=STEEL PITS (PER OPERATOR OPTION)

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 |
|---------------------|---|
| DEEP SURFACE CASING | 10/16/2012 - G30 - APPROVED; IF CIRCULATION IS LOST, IMMEDIATELY NOTIFY THE OCC DISTRICT OFFICE |
| SPACING | 10/16/2012 - G30 - N/A - DISPOSAL WELL |

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

007 25557 DUNCAN 1-1 SWD