

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

API NUMBER: 045 23405

Approval Date: 10/22/2013
Expiration Date: 04/22/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 19N Rge: 23W County: ELLIS
SPOT LOCATION: N2 SW NW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1700 330

Lease Name: BERRYMAN Well No: 5-22 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: UNIT PETROLEUM COMPANY Telephone: 9184937700; 9184937 OTC/OCC Number: 16711 0

UNIT PETROLEUM COMPANY
P.O. Box 702500
TULSA, OK 74170-2500

ANNE PORTER BERRYMAN; GEORGE C. BERRYMAN;
NATHAN R. OLANSEN, TRUST
PO BOX 131
CASCADE CO 80809-

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

| Name | Depth | Name | Depth |
|-----------------|-------|------|-------|
| 1 COTTAGE GROVE | 8450 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 369382 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 8500 Ground Elevation: 2473 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 640

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

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: WATER BASED
Chlorides Max: 20000 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: 1B
Liner required for Category: 1B
Pit Location is BED AQUIFER
Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:
A. Evaporation/dewater and backfilling of reserve pit.
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-24658
H. SEE MEMO

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 | 10/17/2013 - 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 |
| MEMO | 10/17/2013 - G71 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, 20 MIL LINED GEOMEMBRANE TRENCH PIT FOR SOIL FARMING |
| SPACING - 369382 | 10/22/2013 - G30 - (UNIT) 22-19N-23W EST BERRYMAN (COTTAGE GROVE) WATERFLOOD UNIT FOR CCGV |

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