

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

API NUMBER: 003 23279

Approval Date: 06/01/2017
Expiration Date: 12/01/2017

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 23N Rge: 9W County: ALFALFA
SPOT LOCATION: S2 S2 N2 NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1420 1320

Lease Name: IRONMAN Well No: 05 Well will be 100 feet from nearest unit or lease boundary.
Operator Name: SUPERIOR PRODUCTION LLC Telephone: 5805545515 OTC/OCC Number: 23840 0

SUPERIOR PRODUCTION LLC
42516 HIGHWAY 412
RINGWOOD, OK 73768-7009

MARY ANN HARMS TRUST
P.O. BOX 1401
WICHITA KS 67201

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

Name	Depth	Name	Depth
1 OSWEGO	5965	6	
2 MANNING	6330	7	
3		8	
4		9	
5		10	

Spacing Orders: 116085
121349

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702163
201702162

Special Orders:

Total Depth: 6500 Ground Elevation: 1300 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 270

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 45000 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: CEDAR HILL

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32666
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
HYDRAULIC FRACTURING	5/15/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
MEMO	6/1/2017 - G75 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; 20-MIL LINED TRENCH PIT FOR SOIL FARMING
PENDING CD - 201702162	5/25/2017 - G60 - (I.O.) N2 NE4 5-23N-9W X116085/121349 MNNG, OTHER 1 WELL NO OP. NAMED REC. 5/2/17 (NORRIS)
PENDING CD - 201702163	5/25/2017 - G60 - (I.O.) N2 NE4 5-23N-9W X116085/121349 OSWG, MNNG NCT 100' FSL, NCT 1320' FWL NO OP. NAMED REC. 5/2/17 (NORRIS)
SPACING - 116085	5/25/2017 - G60 - (80) 5-23N-9W LD NE/SW EXT 114464 OSWG EXT 77394 MNNG
SPACING - 121349	5/25/2017 - G60 - (80) 5-23N-9W LD NE/SW AMD 116085 OSWG, MNNG, OTHERS

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