

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

API NUMBER: 049 25148 A

Approval Date: 07/20/2017

Expiration Date: 01/20/2018

Directional Hole Oil & Gas

Amend reason: ADD FORMATION, CORRECT SURFACE
LOCATION & FORMATION DEPTHS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 1N Rge: 3W

County: GARVIN

SPOT LOCATION: ☐ NW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 420 792

Lease Name: G. I. FERGUSON

Well No: 2-3

Well will be 420 feet from nearest unit or lease boundary.

Operator
Name: IRON STAR ENERGY LLC

Telephone: 9189386069

OTC/OCC Number: 23355 0

IRON STAR ENERGY LLC
PO BOX 163793
AUSTIN, TX 78716-3793

PAUL FERGUSON
28116 HIGHWAY 76
FOSTER OK 73434

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

	Name	Depth		Name	Depth
1	PONTOTOC	3349	6	SYCAMORE	8141
2	DORNICK HILLS	5152	7	WOODFORD	8347
3	PRIMROSE	5600	8	HUNTON	9065
4	GODDARD	6158	9	SYLVAN	10021
5	CANEY	7772	10	VIOLA	10190

Spacing Orders: 656178
176475

Location Exception Orders: 656906

Increased Density Orders:

Pending CD Numbers: 201706067

Special Orders:

Total Depth: 11050

Ground Elevation: 966

Surface Casing: 1060

Depth to base of Treatable Water-Bearing FM: 1010

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-32890

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

DIRECTIONAL HOLE 1

Sec 03 Twp 1N Rge 3W County GARVIN

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 160

Feet From: WEST 1/4 Section Line: 770

Measured Total Depth: 11050

True Vertical Depth: 11000

End Point Location from Lease,

Unit, or Property Line: 160

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	7/17/2017 - G58 - 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
LOCATION EXCEPTION - 656906	11/14/2017 - G75 - (I.O.) S2 SE4 3-1N-3W X176475 SCMR X656178 PNTC, DKHL, PRMR, GDRD, CNEY, WDFD, HNTN, SLVN, VIOL, OTHER ENTRY/EXIT NCT 160' TO SL, NCT 770' TO WL IRON STAR ENERGY, LLC 10-13-2016 (WELL SPUD 7-22-2017)
PENDING CD - 201706067	11/14/2017 - G75 - S2 SE4 3-1N-3W X176475 SCMR 1 WELL NO OP. NAMED REC 10-17-2017 (MCKEOWN)
SPACING - 176475	11/14/2017 - G75 - (160/80) SE4 3-1N-3W LD NE/SW EST (160) OTHER EXT (80) 151430 SCMR
SPACING - 656178	7/20/2017 - G75 - (80) S2 SE4 3-1N-3W LD SW4 SE4 NCT 330' FB EXT 649055 PNTC, DKHL, PRMR, GDRD, CNEY, WDFD, HNTN, SLVN, VIOL, OTHERS

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049 25148 G. I. FERGUSON 2-3

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