

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

API NUMBER: 051 23678

Approval Date: 04/23/2013

Expiration Date: 10/23/2013

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 7N Rge: 8W

County: GRADY

SPOT LOCATION:

NW

SE

SW

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

2290

755

Lease Name: NORGE MARCHAND UNIT

Well No: 57-5

Well will be 755 feet from nearest unit or lease boundary.

Operator Name: QUANTUM RESOURCES MANAGEMENT LLC

Telephone: 7136344696

OTC/OCC Number: 22029 0

QUANTUM RESOURCES MANAGEMENT LLC
1401 MCKINNEY ST STE 2400
HOUSTON, TX 77010-4040

ALAN L. SCHENK
408 COUNTY RD. 1360
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MARCHAND	10589	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 100904

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11350

Ground Elevation: 1243

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 830

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

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: 5000 Average: 3000

E. Haul to Commercial pit facility: Sec. 24 Twn. 8N Rng. 8W Cnty. 51 Order No: 393756

Is depth to top of ground water greater than 10ft below base of pit? Y

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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: MARLOW

Notes:

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

051 23678 NORGE MARCHAND UNIT 57-5

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

SPACING - 100904

Description

4/23/2013 - G75 - (UNIT) 35-7N-8W
EST NORGE MARCHAND UNIT FOR MRCD

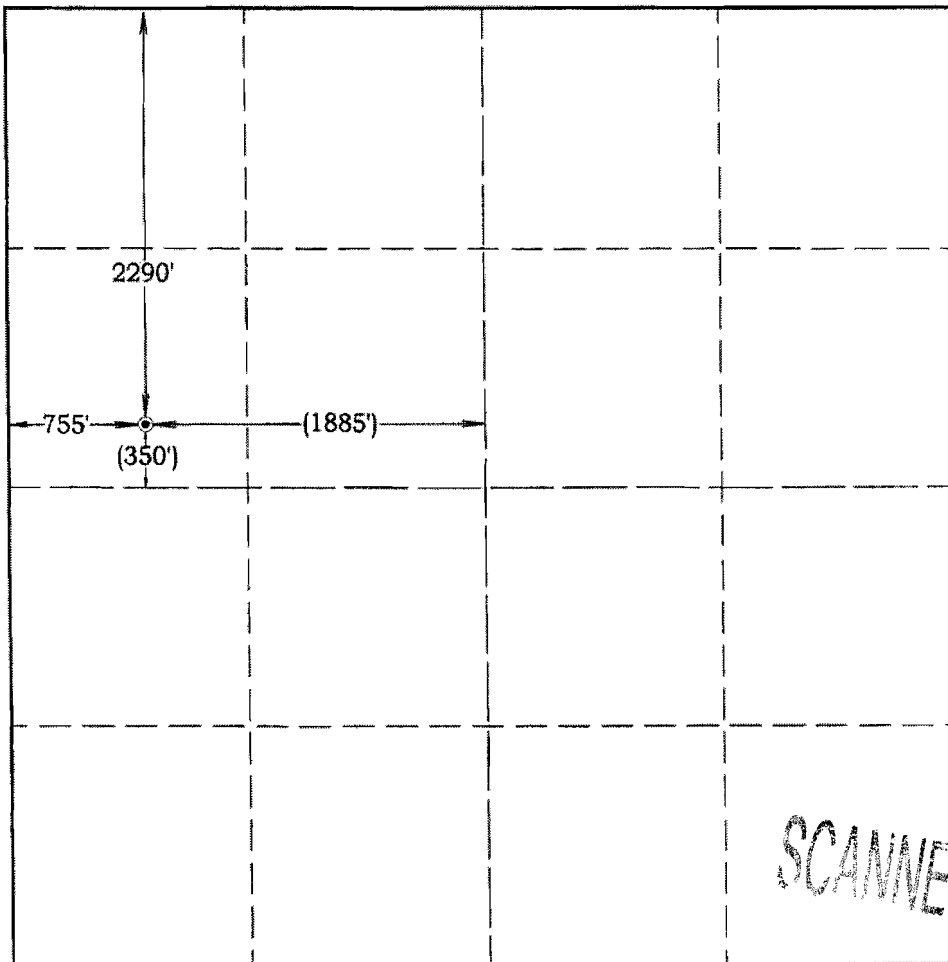
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051 23678 NORGE MARCHAND UNIT 57-5

API
051-23678

Office 580-226-0446 Mobile 580-221-4999 Fax 580-226-7158

Original Location	Elevation	Good Location?	Topography
2290' FNL - 755' FWL	1243'	Yes	
Alternate # 1			Location fell in wheat
Alternate # 2			165' South of fence & ± 150' East of pipeline.



Location G.P.S. (NAD27)
Longitude: 98.01979°
Latitude: 35.03716°
State Plane Coordinates
X: 1,994,074'
Y: 620,052'
Oklahoma South

SCANNED

Best Accessibility to Location
From the West

CERTIFICATE:

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

The distances shown in parenthesis () are calculated distances based on the quarter section being 2640' and have not been measured.

