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

API NUMBER: 139 24585

Approval Date: 08/06/2013
Expiration Date: 02/06/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 5N Rge: 13ECM County: TEXAS

SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **200** **880**

Lease Name: HOVEY MORROW UNIT **Well No: 13-4** **Well will be 880 feet from nearest unit or lease boundary.**

Operator Name: **WHITING OIL AND GAS CORP** Telephone: 4326866758; 4326866 OTC/OCC Number: 17048 0

WHITING OIL AND GAS CORP
400 W ILLINOIS AVE STE 1300
MIDLAND, TX 79701-4310

FRANK & CRAIG WEBER
P.O. BOX 250
ROBINSON IL 62454

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

	Name	Depth		Name	Depth
1	MORROW SAND	6045	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 95900 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 6700 Ground Elevation: 3362 **Surface Casing: 450** Depth to base of Treatable Water-Bearing FM: 400

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

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: WATER BASED
Chlorides Max: 12000 Average: 6000
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.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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
SPACING - 95900	8/6/2013 - G75 - (UNIT) 9-5N-13ECM EST HOVEY MORROW UNIT FOR MWSD

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.

API 130-24585

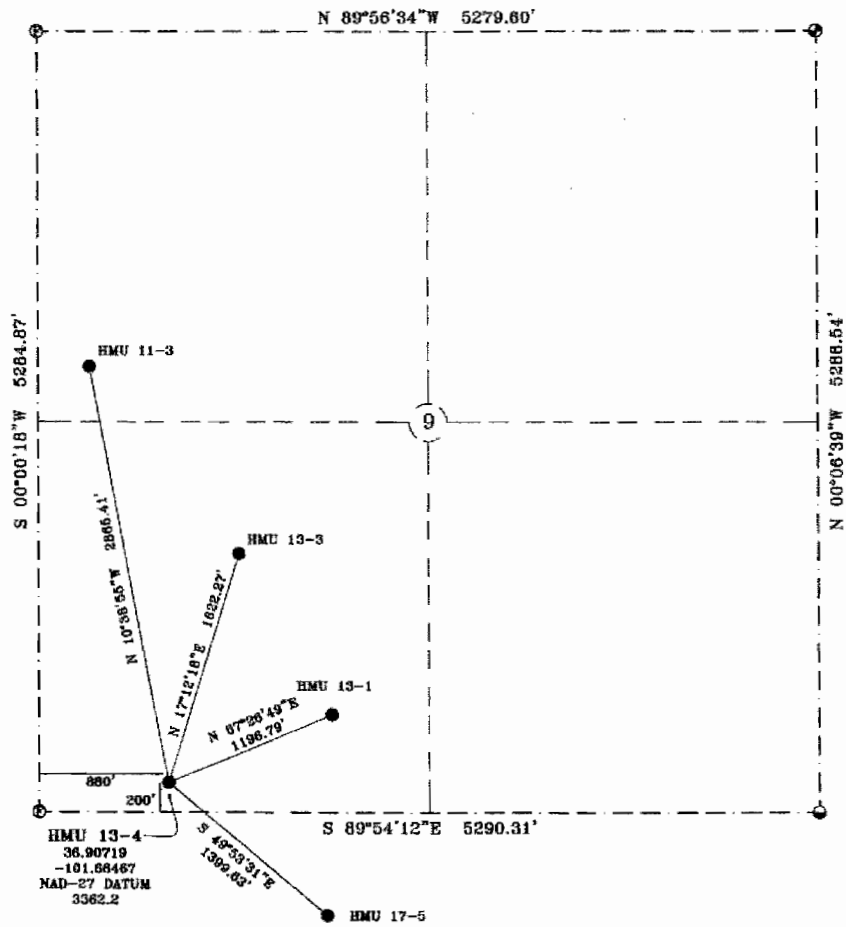
NAME	NAD 27 DATUM	
HMU 11-3	36.91492	-101.66648
HMU 13-1	36.90845	-101.66089
HMU 13-3	36.91144	-101.66303
HMU 17-5	36.90471	-101.66101

SCALE: 1" = 1000'

LEGEND:

- ⊕ 1/2" IRON ROD SET W/CAP STAMPED "OKLAHOMA COA 5583"
- ◒ 5/8" IRON ROD FND
- ◕ 1/2" IRON ROD FND

WELL LOCATION SURVEY



Locate HMU 13-4; 880 feet from West line, 200 feet from South line, Section Nine (9), Township Five (5) North, Range Thirteen (13) East of the Cimarron Meridian, Texas County, Oklahoma.

Flood Plain Data:
Well location is not located in a current flood plain as per Panel No. 40139C0100C Flood Insurance Rate Map 40139CINDOA, Effective date: July 4, 2011, Texas County & Incorporated Areas

I, Landon M. Stokes being a Registered Professional Surveyor in the State of Oklahoma, Seal No. 1779 do hereby certify that this plat is true and correct to the best of my knowledge and belief; that it was prepared from a survey made on the ground by me or by others under my direct supervision.

SURVEY FOR
WHITING PETROLEUM CORP.

CERTIFICATE OF AUTHORIZATION NO: 5583
EXPIRATION DATE: JUNE 30, 2014

LAST SITE VISIT: 7-23-2013
PLATTED: 7-24-2013

LICENSED PROFESSIONAL LAND SURVEYOR
LANDON M. STOKES
1779
OKLAHOMA

Landon M. Stokes
PLS 1779
7-26-2013

FURMAN LAND SURVEYORS, INC.

DARYL R. FURMAN, RPLS
DONALD R. FURMAN, RPLS
HEATHER LYNN LEMONS, RPLS
(806)374-4246
P.O. BOX 1416
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LANDON M. STOKES, RPLS
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P.O. BOX 464
DUMAS, TEXAS 79029

PROJECT NO. G13454 FILE NO. WHITING
DRAWING NO. C:\DWG13\GUYMON\WHITING\G13454