API NUMBER: 139 24586

Straight Hole Oil & Gas

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

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

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 4N Rge: 13ECM County: TEXAS

SPOT LOCATION: SW NE SW NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **1881** **1823**

Lease Name: WEST HOUGH MORROW UNIT **Well No: 223** **Well will be 1823 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

LUNSFORD LAND CO., LLC
RT. 2, BOX 146C
GUYMON OK 73942

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

	Name	Depth		Name	Depth
1	MORROW	5980	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 65740 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 6700 Ground Elevation: 3287 **Surface Casing: 1750** Depth to base of Treatable Water-Bearing FM: 500

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
DEEP SURFACE CASING	8/6/2013 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
SPACING - 65740	8/6/2013 - G75 - 3-4N-13ECM X61971/65240/65676 MRRWA X61972/65242 MRWA1 X61973 MRWA2 X61974 MRWKY ALLOW COMMINGLE FROM TWO OR MORE MORROW ZONES IN WEST HOUGH MORROW UNIT

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 139-24586

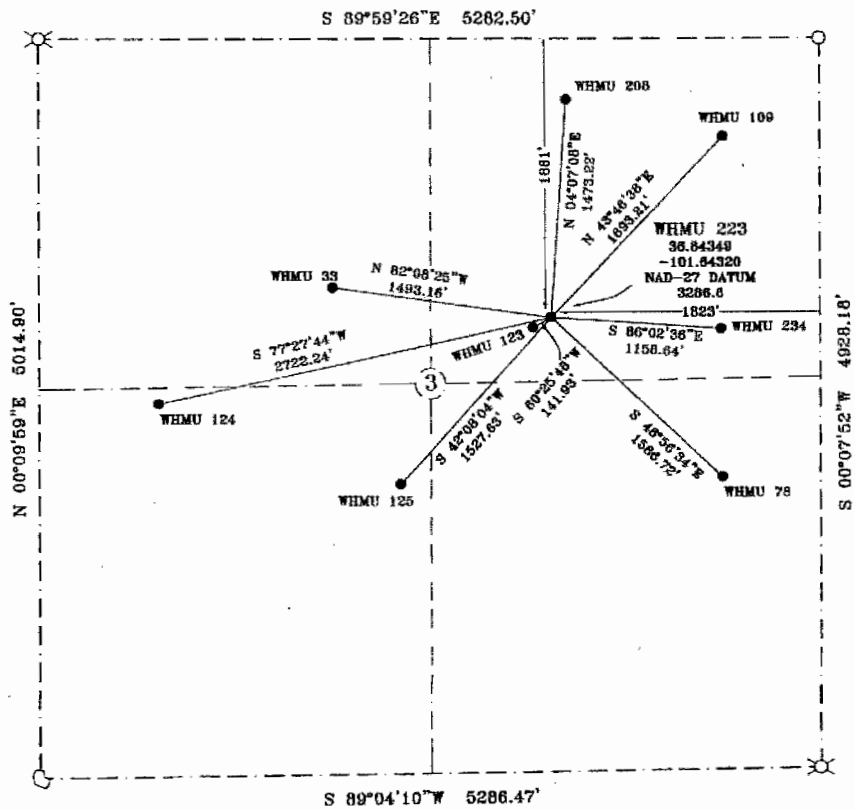
NAME	NAD 27 DATUM	
WHMU 125	36.84038	-101.64670
WHMU 124	36.84186	-101.65228
WHMU 78	36.84051	-101.63923
WHMU 234	36.84327	-101.63925
WHMU 33	36.84405	-101.64825
WHMU 208	36.84752	-101.64284
WHMU 109	36.84685	-101.63919
WHMU 123	36.84330	-101.64362

SCALE: 1" = 1000'

LEGEND:

- 1" IRON PIPE FND
- STONE FND
- 1/2" IRON PIPE FND

WELL LOCATION SURVEY



Locate WHMU 223; 1881 feet from North line, 1823 feet from East line, Section Three (3), Township Four (4) 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. 40139C0350C 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: 7-25-2013
REVISED: 7-29-2013

LICENSED PROFESSIONAL LAND SURVEYOR
LANDON M. STOKES
1779
OKLAHOMA

Landon M. Stokes
PLS 1779 7-24-2013

FURMAN LAND SURVEYORS, INC.

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DUMAS, TEXAS 79029

PROJECT NO. G13456 FILE NO. WHITING
DRAWING NO. C:\DWG13\GUYMON\WHITING\G13456