

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

API NUMBER: 139 24577

Approval Date: 07/03/2013
Expiration Date: 01/03/2014

Straight Hole Injection

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 5N Rge: 13ECM County: TEXAS

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2310 330

Lease Name: HOVEY MORROW UNIT Well No: 38-4 Well will be 330 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

LINDA HISER
ROUTE 2 BOX 139
GUYMON OK 73942

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

Name	Depth	Name	Depth
1 MORROW	6028	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6700 Ground Elevation: 3347 **Surface Casing: 680** Depth to base of Treatable Water-Bearing FM: 430

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: 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: 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

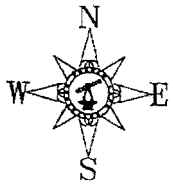
SPACING

7/3/2013 - G30 - N/A - INJECTION WELL

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

139 24577 HOVEY MORROW UNIT 38-4

SCALE: 1" = 1200'
LEGEND:

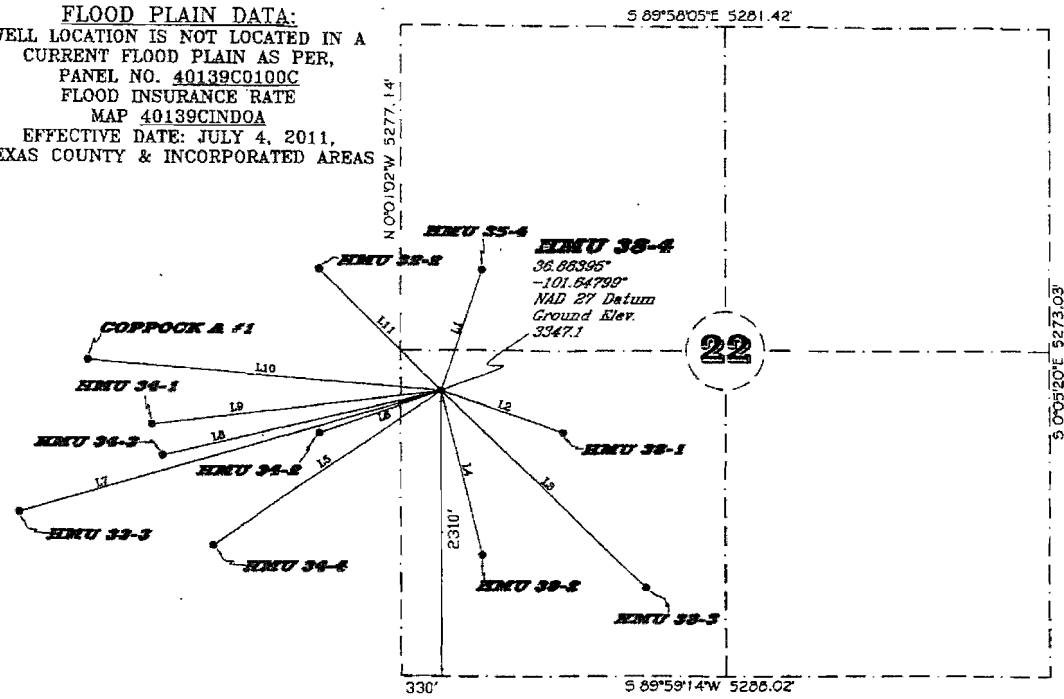


WELL LOCATION SURVEY

L1	N 18°28'50"W	1340.22'
L2	S 71°15'47"E	1048.72'
L3	S 46°20'38"E	2301.88'
L4	S 14°03'50"E	1382.11'
L6	S 55°45'21"W	2235.72'
L8	S 70°36'59"W	1049.37'
L7	S 73°41'56"W	3568.58'
L8	S 76°41'08"W	2322.25'
L9	S 83°03'59"W	2883.81'
L10	N 85°13'18"W	2875.16'
L11	N 45°11'38"W	1387.70'

NAME	NAD 27 DATUM	
COPPOCK A #1	36.88461°	-101.65776°
HMU 34-1	36.87857°	-101.65361°
HMU 32-2	36.86666°	-101.65139°
HMU 35-4	36.86666°	-101.64687°
HMU 34-2	36.88300°	-101.65138°
HMU 38-1	36.88303°	-101.64460°
HMU 38-3	36.87959°	-101.64230°
HMU 38-2	36.88033°	-101.64686°
HMU 33-3	36.88120°	-101.65970°
HMU 34-4	36.88050°	-101.65432°
HMU 34-3	36.88248°	-101.65572°

FLOOD PLAIN DATA:
WELL LOCATION IS NOT LOCATED IN A
CURRENT FLOOD PLAIN AS PER,
PANEL NO. 40139C0100C
FLOOD INSURANCE RATE
MAP 40139CIND0A
EFFECTIVE DATE: JULY 4, 2011,
TEXAS COUNTY & INCORPORATED AREAS

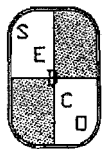


SURVEY OF

Locate HMU 38-4; 2310 Feet from South Line and 330 Feet from the West Line of Section Twenty-two (22), Township Five (5) North, Range Thirteen (13) East of the Cimarron Meridian, Texas County, Oklahoma

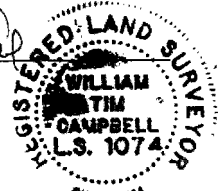
I, William Tim Campbell being a Registered Professional Land Surveyor in the State of Oklahoma Seal No. 1074 do hereby certify that the above plat represents an accurate survey made under my supervision and that all measurements, bearings and monuments are correctly shown and indicated on the above plat as found or staked in the field as so dated.

SEDco-FURMAN
304 NE 4th Street P.O. Box 1214
Guymon, Okla. 73942
Pho. 580-338-6904
Fax 580-338-2144
Email sedco@ptsl.net
Oklahoma C.A. 5583
Expires June 30, 2013
Texas Registration No. 100179-0



FURMAN
LAND SURVEYORS

Signed: William Tim Campbell



SURVEY FOR
WHITING PETROLEUM CORP.

SCANNED