

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

API NUMBER: 139 24576

Approval Date: 06/14/2013
Expiration Date: 12/14/2013

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 5N Rge: 13ECM County: TEXAS

SPOT LOCATION: NE NE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1050 1520

Lease Name: HOVEY MORROW UNIT Well No: 34-4 Well will be 1050 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

KENNETH MITCHELL & BRIAN MITCHELL
P.O. BOX 427
ELKHART KS 67950

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

Name	Depth	Name	Depth
1 MORROW SAND	6037	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: 3337

Surface Casing: 1750

Depth to base of Treatable Water-Bearing FM: 410

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:

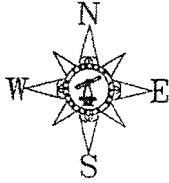
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

139 24576 HOVEY MORROW UNIT 34-4

Category	Description
DEEP SURFACE CASING	6/13/2013 - 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 - 95900	6/13/2013 - G75 - (UNIT) 21-5N-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.

139 24576 HOVEY MORROW UNIT 34-4

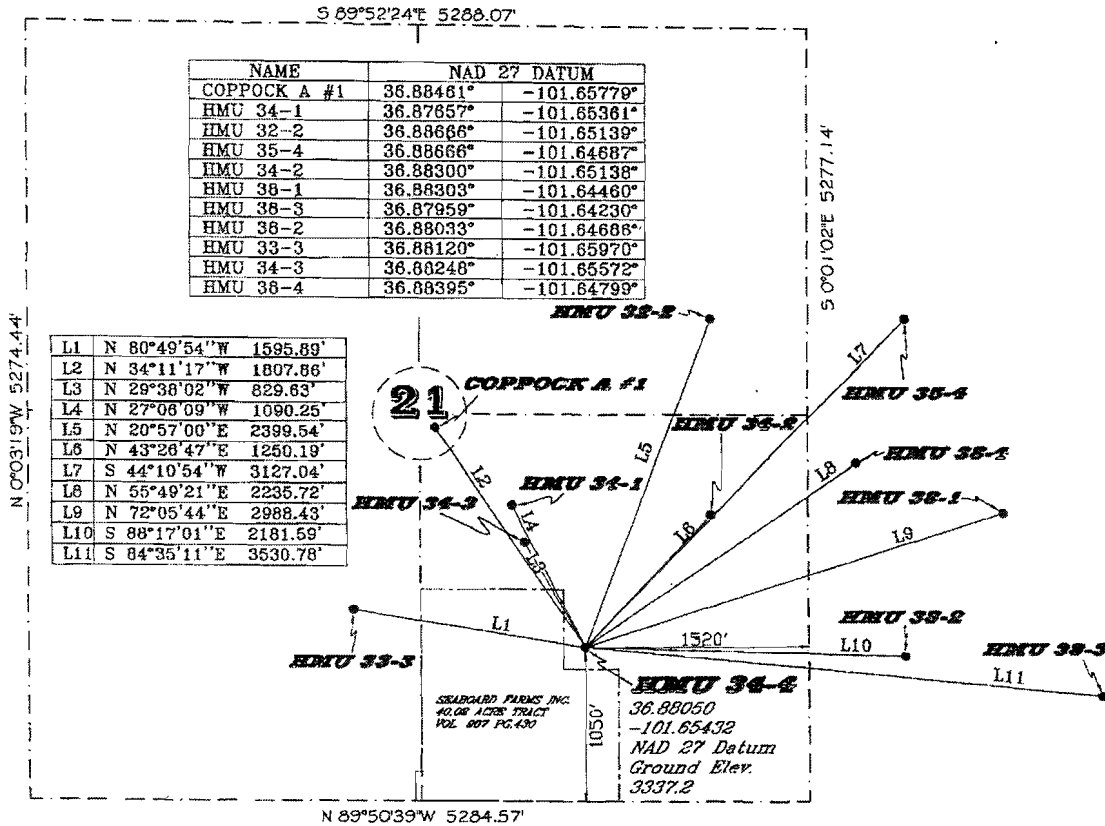


SCALE: 1" = 1000'
LEGEND:

WELL LOCATION SURVEY

API
139-24576

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



SCANNED

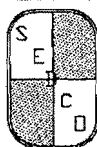
SURVEY OF

Locate HMU 34-4; 1050 Feet from South Line and 1520 Feet from the East Line of Section Twenty-one (21), 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.

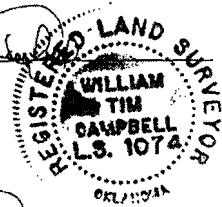
SEDCO-FURMAN

304 NE 4th Street P.O. Box 1214
Guyton, Okla. 73942
Pho. 580-338-6904
Fax 580-338-2144
Email sedco@ptsi.net
Oklahoma C.A. 5383
Expires June 30, 2013
Texas Registration No. 100179-0



FURMAN
LAND SURVEYORS

Signed: _____



SURVEY FOR
WHITING PETROLEUM CORP.

Plat No. 2790 Dwg. No. G13421 Page No. 17 Book No. 951
Dwg. No. S:\dwg13\Guy\Tx\G13421 Surveyed 5-20-2013 Platted 6-6-2013