

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

API NUMBER: 093 24986

Approval Date: 05/15/2014

Expiration Date: 11/15/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 22N Rge: 9W

County: MAJOR

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 800

Lease Name: ALBERT

Well No: 1H-4

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054264481

OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC
701 CEDAR LAKE BLVD
OKLAHOMA CITY, OK 73114-7800

BYRON K. JANTZ
RT. #2, BOX 45
MENO OK 73760

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

Name	Depth	Name	Depth
1 MANNING	6875	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 75667

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12000

Ground Elevation: 1371

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 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: CEDAR HILLS

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

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.

HORIZONTAL HOLE 1

Sec 04 Twp 22N Rge 9W County MAJOR

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6875

Radius of Turn: 715

Direction: 360

Total Length: 4890

Measured Total Depth: 12000

True Vertical Depth: 7590

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

COMPLETION INTERVAL

5/15/2014 - G72 - THE MANNING COMPLETION INTERVAL FROM 250 FSL & 800 FWL TO 165 FNL & 1320 FWL WITH A "NO PERF" ZONE BETWEEN 165 FNL TO 50 FNL ALL IN SEC 4-22N-9W PER OPERATOR.

DEEP SURFACE CASING

5/13/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

SPACING - 75667

5/15/2014 - G72 -(N MENO MNNG UNIT) 4-22N-9W (TOP OF THE OSWEGO TO THE BASE OF THE MNNG) AKA MNNG;

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.

093 24986 ALBERT 1H-4

API 093 24986

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

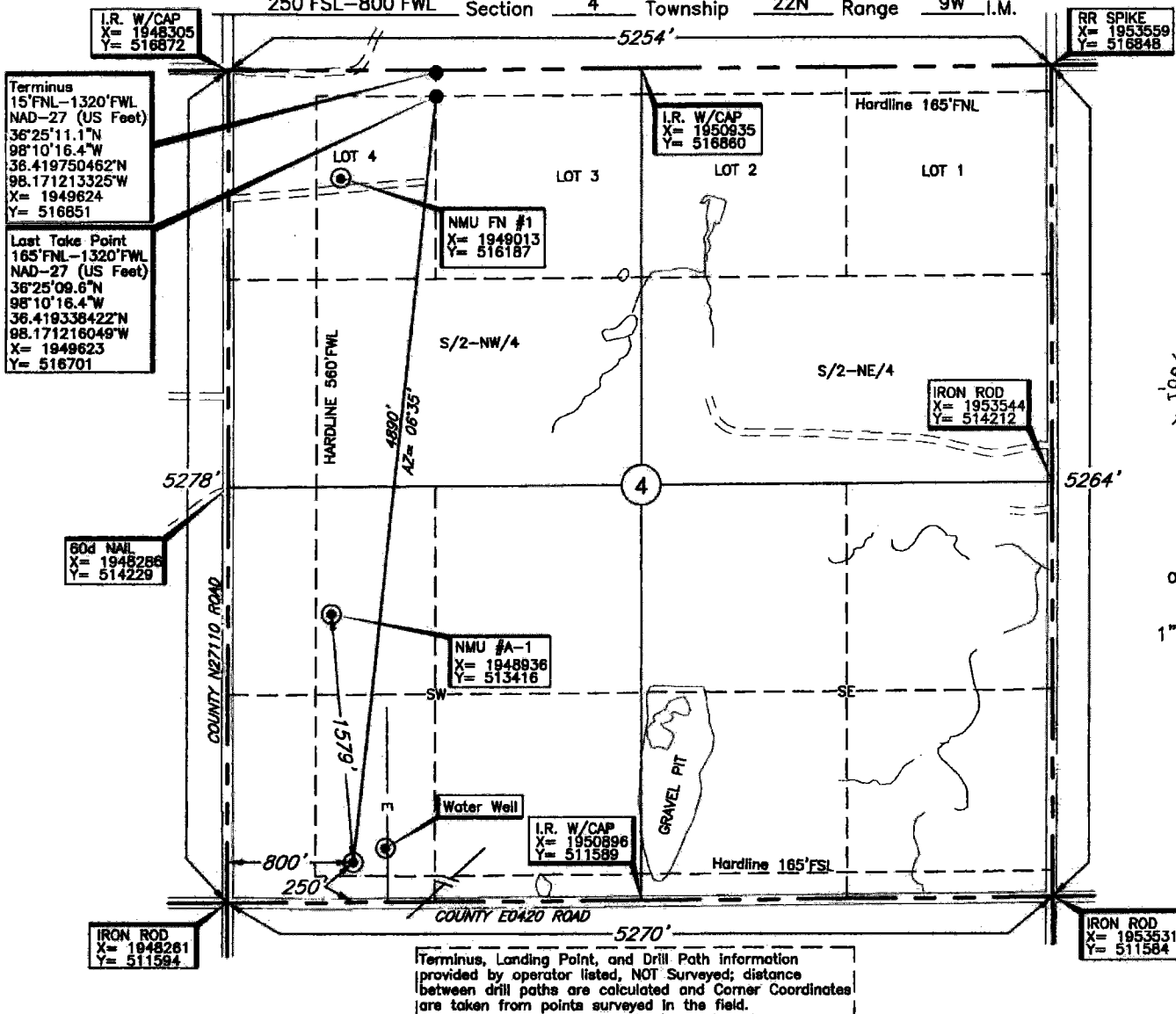
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293.

MAJOR

County, Oklahoma

250' FSL-800' FWL Section 4 Township 22N Range 9W I.M.



Operator: CHAPARRAL ENERGY, LLC.

Lease Name: ALBERT

Well No.: 1H-4

ELEVATION:

1371' Gr. at Stake

Topography & Vegetation Loc. fell in milo stub field, waterwell ±205' East, right-of-way fence ±217' South.

Good Drill Site? Yes

Reference Stakes or Alternate Location

Stakes Set None

Best Accessibility to Location From county road South of location.

Distance & Direction

from Hwy Jct or Town From Meno, Oklahoma, go ±1.0 mi. North to the SW Corner of

Section 4, T22N-R9W.

SURFACE HOLE/
FIRST TAKE POINT

DATUM: NAD-27

LAT: 36°24'21.6"N

LONG: 98°10'23.1"W

LAT: 36.405989561° N

LONG: 98.173091153° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1949063

Y: 511843

Invoice # 212000 Date of Drawing: Dec. 4, 2013

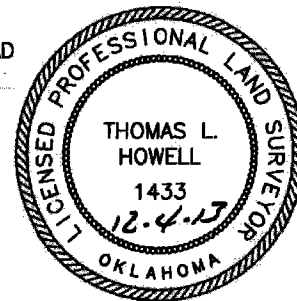
Date Staked: Nov. 27, 2013

AD

CERTIFICATE:

I, Thomas L. Howell a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Oklahoma Lic. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.