

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

API NUMBER: 137 27238

Approval Date: 05/30/2014
Expiration Date: 11/30/2014

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 2S Rge: 4W County: STEPHENS
SPOT LOCATION: SW NE NW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 2190 1976

Lease Name: BULL MOOSE Well No: 5-2 Well will be 450 feet from nearest unit or lease boundary.
Operator Name: CITATION OIL & GAS CORPORATION Telephone: 2818911000 OTC/OCC Number: 14156 0

CITATION OIL & GAS CORPORATION
PO BOX 690688
HOUSTON, TX 77269-0688

JESSIE AND KATHERINE BARTLING
RT 3 BOX 176F
DUNCAN OK 73533

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

	Name	Depth	Name	Depth
1	SYCAMORE	5600	6	
2	WOODFORD	5900	7	
3	HUNTON	6300	8	
4	VIOLA	7100	9	
5	SIMPSON	7800	10	

Spacing Orders: 613007

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402537

Special Orders:

Total Depth: 9400

Ground Elevation: 1098

Surface Casing: 1725

Depth to base of Treatable Water-Bearing FM: 1110

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: 2000 Average: 1000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27204

DIRECTIONAL HOLE 1

Sec 05 Twp 2S Rge 4W County STEPHENS

Spot Location of End Point: SW NE NW SE

Feet From: SOUTH 1/4 Section Line: 1982

Feet From: EAST 1/4 Section Line: 1974

Measured Total Depth: 9400

True Vertical Depth: 9350

End Point Location from Lease,

Unit, or Property Line: 345

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	5/29/2014 - 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
FRAC FOCUS	5/29/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
INCREASED DENSITY - 201402537	5/29/2014 - G72 - 5-2S-4W X 613007 SCMR, WDFD, HNTN, VIOL SMPS; 2 WELLS; CITATION OIL & GAS CORP.; REC 4/28/2014 (STUCK)
SPACING - 613007	5/29/2014 - G72 - (640) 5-2S-4W VAC 33835 OCKO VAC 106239 MSLSC EXT 612321 SCMR, WDFD, HNTN, VIOL, SMPS

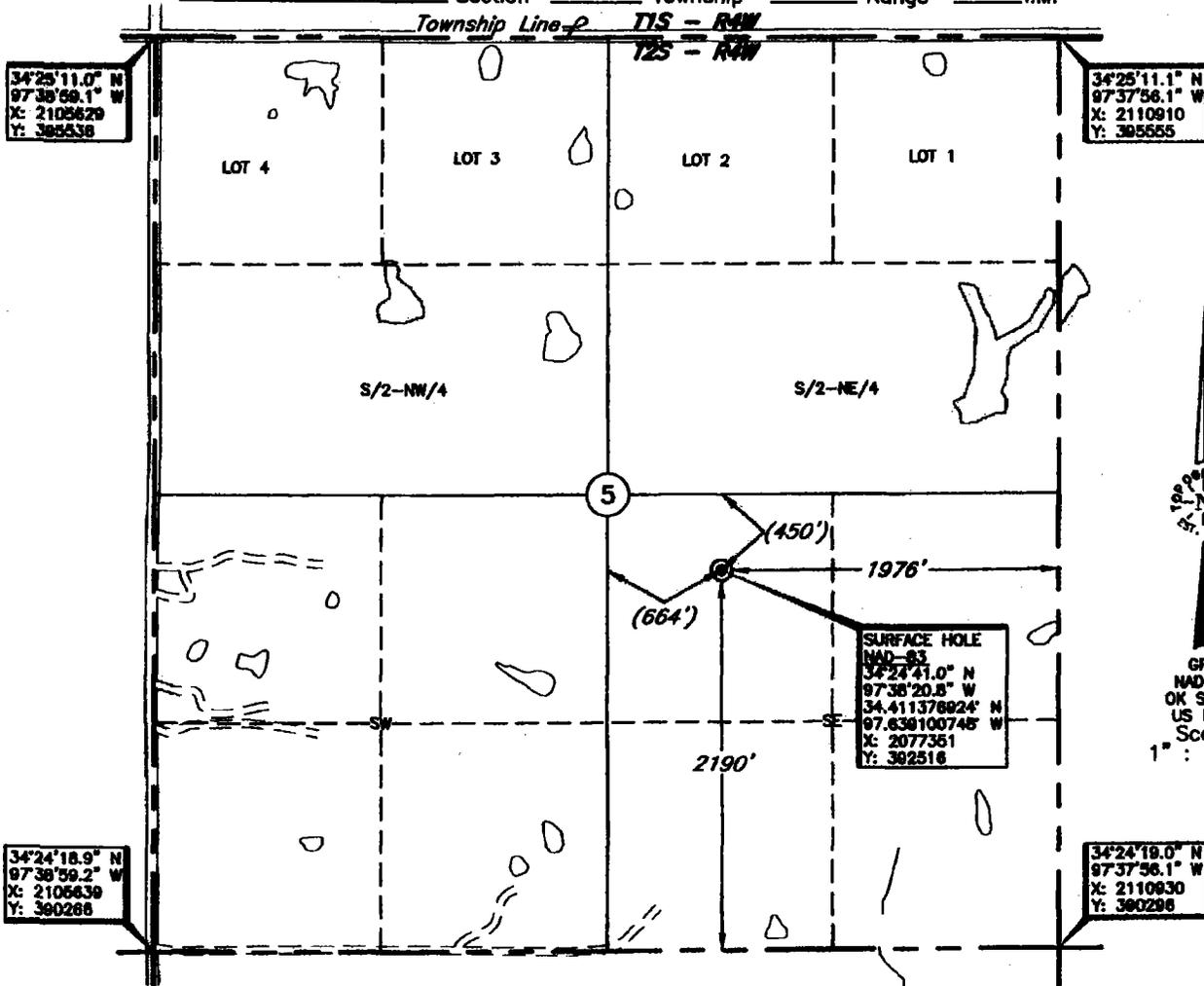
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API 13727238

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

STEPHENS County, Oklahoma

2190' FSL - 1976' FEL Section 5 Township 2S Range 4W I.M.



Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: CITATION OIL & GAS CORP.
 Lease Name: BULL MOOSE

Well No.: 5-2
 ELEVATION: 1098' Gr. at Stake

Topography & Vegetation: Loc. fell in sloping pasture and timber
 Good Drill Site? Yes Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From North off county road
 Distance & Direction: From the Stephens-Carter County Line on St. Hwy 7, go ± 3 miles West on St. Hwy 7, then ± 2 miles South, then ± 1 mile West to the Northeast Corner of Section 5, T2S-R4W.

DATUM: NAD-27
 LAT: 34°24'40.6"N
 LONG: 97°38'19.7"W
 LAT: 34.411291154' N
 LONG: 97.638794076' W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2108946
 Y: 392474

Date of Drawing: May 9, 2014
 Invoice # 222218 Date Staked: May 7, 2014 NMB

CERTIFICATE:
 I, Thomas L. Howell a Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Reg. No. 1433



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

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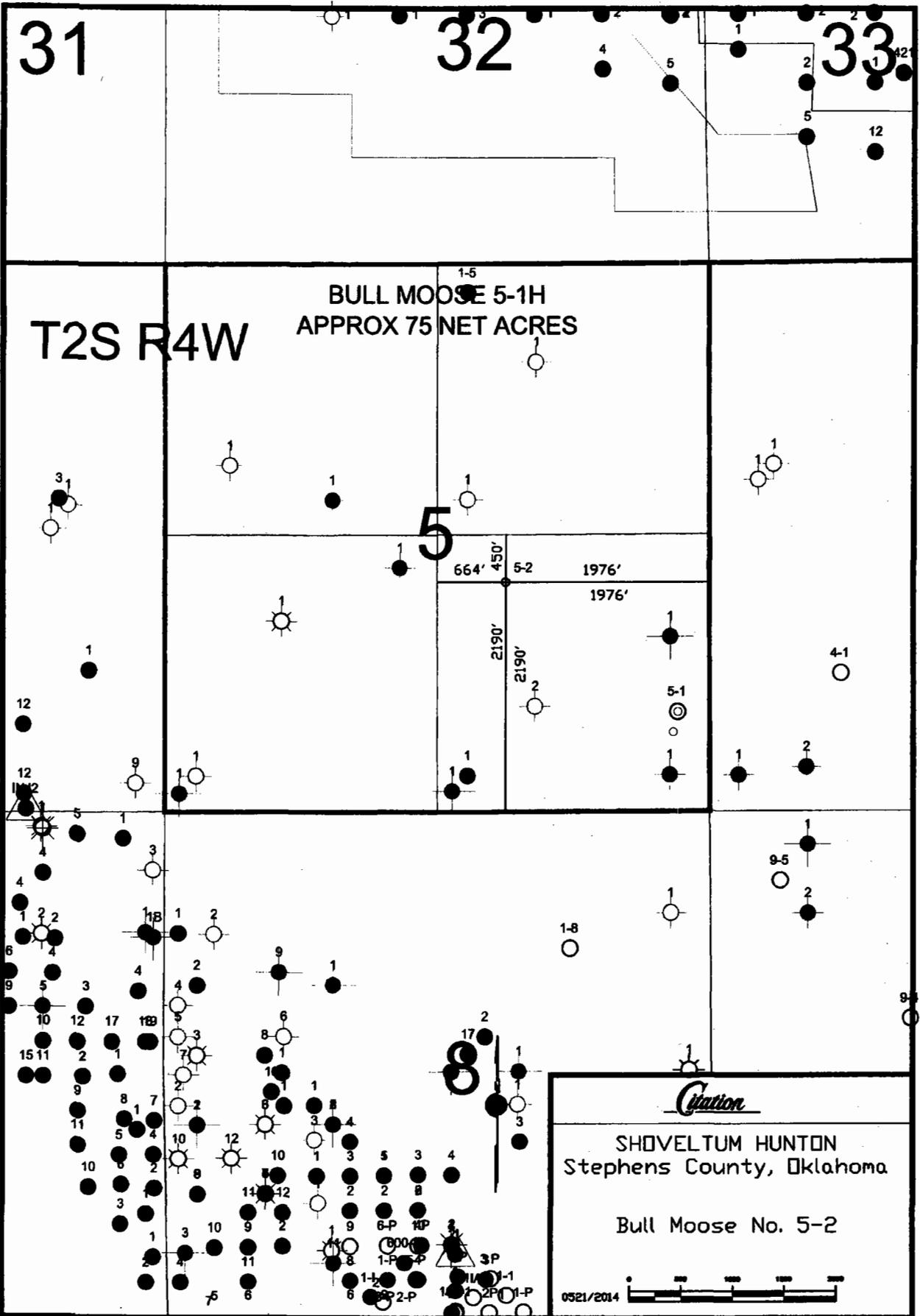
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T2S R4W

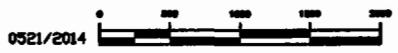
BULL MOOSE 5-1H
APPROX 75 NET ACRES

5



SHOVELTUM HUNTON
Stephens County, Oklahoma

Bull Moose No. 5-2



0521/2014