

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

HOBBS OCD

5. Lease Serial No.
NMNM92199

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENDURANCE RESOURCES LLC

Contact: PEGGY REDMAN

E-Mail: peggy@enduranceresourcesllc.com

8. Well Name and No.

BROADCASTER 29 FEDERAL 3H

9. API Well No.

30-025-41909-00-X1

3a. Address

MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-242-4680

10. Field and Pool, or Exploratory

BELL LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T23S R34E NWNE 0330FNL 1980FEL
32.165501 N Lat, 103.292380 W Lon

11. County or Parish, and State

LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Endurance Resources LLC BLM Bond No. NMB000640

Endurance Resources respectfully request to amend the bottom hole location from the previously submitted 330' FSL & 1980' FEL to 330' FSL & 1650' FEL.
An amended C-102 is attached.

Endurance also respectfully request to amend the TVD of the Bone Spring lateral interval from 10,570' to 11,400'. The projected MD is being amended from 14,945' to 15,785'. A revised directional plan for this new TVD, MD depth and amended bottom hole location is attached. In addition amended casing and cement programs are attached for the amended MD.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #252838 verified by the BLM Well Information System
For ENDURANCE RESOURCES LLC, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 10/08/2014 (15LJ0065SE)

Name (Printed/Typed) MANNY SIRGO III

Title ENGINEER

Signature (Electronic Submission)

Date 07/14/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE FOR RECORD

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

JUL 31 2015

E PERMIT KZ
fm

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 743-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41909	² Pool Code 2209	³ Pool Name ANTELOPE RIDGE; BONE SPRING WEST
⁴ Property Code	⁵ Property Name BROADCASTER 29 FEDERAL	⁶ Well Number 3H
⁷ OGRID.No. 13837	⁸ Operator Name ENDURANCE RESOURCES, LLC	⁹ Elevation 3525.0

¹⁰ Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	23 S	34 E		330	NORTH	1980	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	29	23 S	34 E		330	SOUTH	1650	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

N89°32'27"E 2640.66 FT NW CORNER SEC. 29 LAT. = 32°16'58.267"N LONG. = 103°30'02.238"W N/4 CORNER SEC. 29 LAT. = 32°16'58.273"N LONG. = 103°29'31.484"W SURFACE LOCATION BROADCASTER 29 FEDERAL #3H ELEV. = 3525.0' LAT. = 32°16'55.012"N (NAD83) LONG. = 103°29'23.803"W NE CORNER SEC. 29 LAT. = 32°16'58.287"N LONG. = 103°29'00.748"W 1980' W/4 CORNER SEC. 29 SCALED E/4 CORNER SEC. 29 LAT. = 32°16'32.178"N LONG. = 103°29'00.702"W NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) IN DEGREES MINUTES DECIMAL SECONDS FORMAT. BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST (NAD83) COORDINATES MODIFIED TO SURFACE. BOTTOM OF HOLE LAT. = 32°16'09.297"N LONG. = 103°29'19.895"W SE CORNER SEC. 29 LAT. = 32°16'06.025"N LONG. = 103°29'00.675"W 1650' SW CORNER SEC. 29 LAT. = 32°16'06.066"N LONG. = 103°30'02.147"W S/4 CORNER SEC. 29 LAT. = 32°16'06.034"N LONG. = 103°29'31.346"W 589°37'20"W 2645.20 FT 589°34'07"W 2634.01 FT 500°32'20"E 2639.00 FT 500°30'19"E 2643.50 FT		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>M. A. Sirgo III</i> 7-10-14 Signature Date M. A. Sirgo III Printed Name manny@enduranceresourcesllc.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from fieldnotes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JUNE 27, 2014 Date of Survey <i>FILIPON P. JARANILLO</i> Signature and Seal of Professional Surveyor Certificate Number FILIPON P. JARANILLO, PLS 12797 SURVEY NO. 2445A
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Endurance Resources LLC

PROPOSED AMENDED DIRECTIONAL DRILL SURVEY 7-14-2014

HALLIBURTON

Sperry Drilling Services

Project: Lea County, NM (NAD 83)

Site: Broadcaster 29 Federal

Well: Broadcaster 29 Federal #3H

Wellbore: Wellbore #1

Plan: Plan #3 (Broadcaster 29 Federal #3H/Wellbore #1)

Rig: Patriot 4



Surface Location:

US State Plane 1983
New Mexico Eastern Zone

Elevation: GL 3525' + KB 22.5' @ 3547.50usft (Patriot 4)

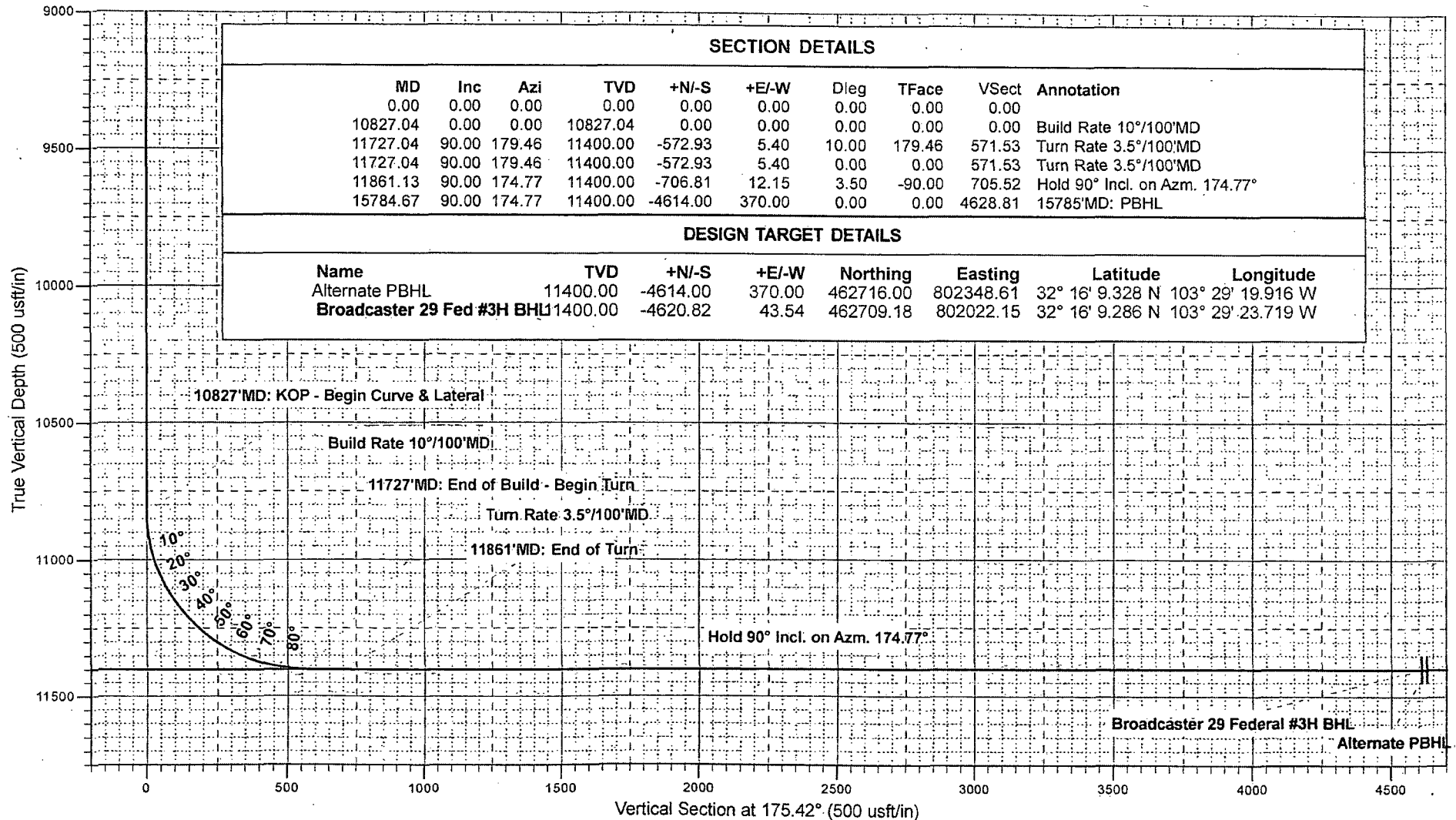
North	East	Lat	Long
467330.00	801978.61	32° 16' 55.012 N	103° 29' 23.803 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10827.04	0.00	0.00	10827.04	0.00	0.00	0.00	0.00	0.00	Build Rate 10°/100'MD
11727.04	90.00	179.46	11400.00	-572.93	5.40	10.00	179.46	571.53	Turn Rate 3.5°/100'MD
11727.04	90.00	179.46	11400.00	-572.93	5.40	0.00	0.00	571.53	Turn Rate 3.5°/100'MD
11861.13	90.00	174.77	11400.00	-706.81	12.15	3.50	-90.00	705.52	Hold 90° Incl. on Azm. 174.77°
15784.67	90.00	174.77	11400.00	-4614.00	370.00	0.00	0.00	4628.81	15785'MD: PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	East	Lat	Long
Alternate PBHL	11400.00	-4614.00	370.00	462716.00	802348.61	32° 16' 9.328 N	103° 29' 19.916 W
Broadcaster 29 Fed #3H BHL	11400.00	-4620.82	43.54	462709.18	802022.15	32° 16' 9.286 N	103° 29' 23.719 W



Endurance Resources LLC

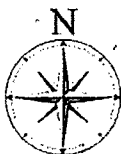
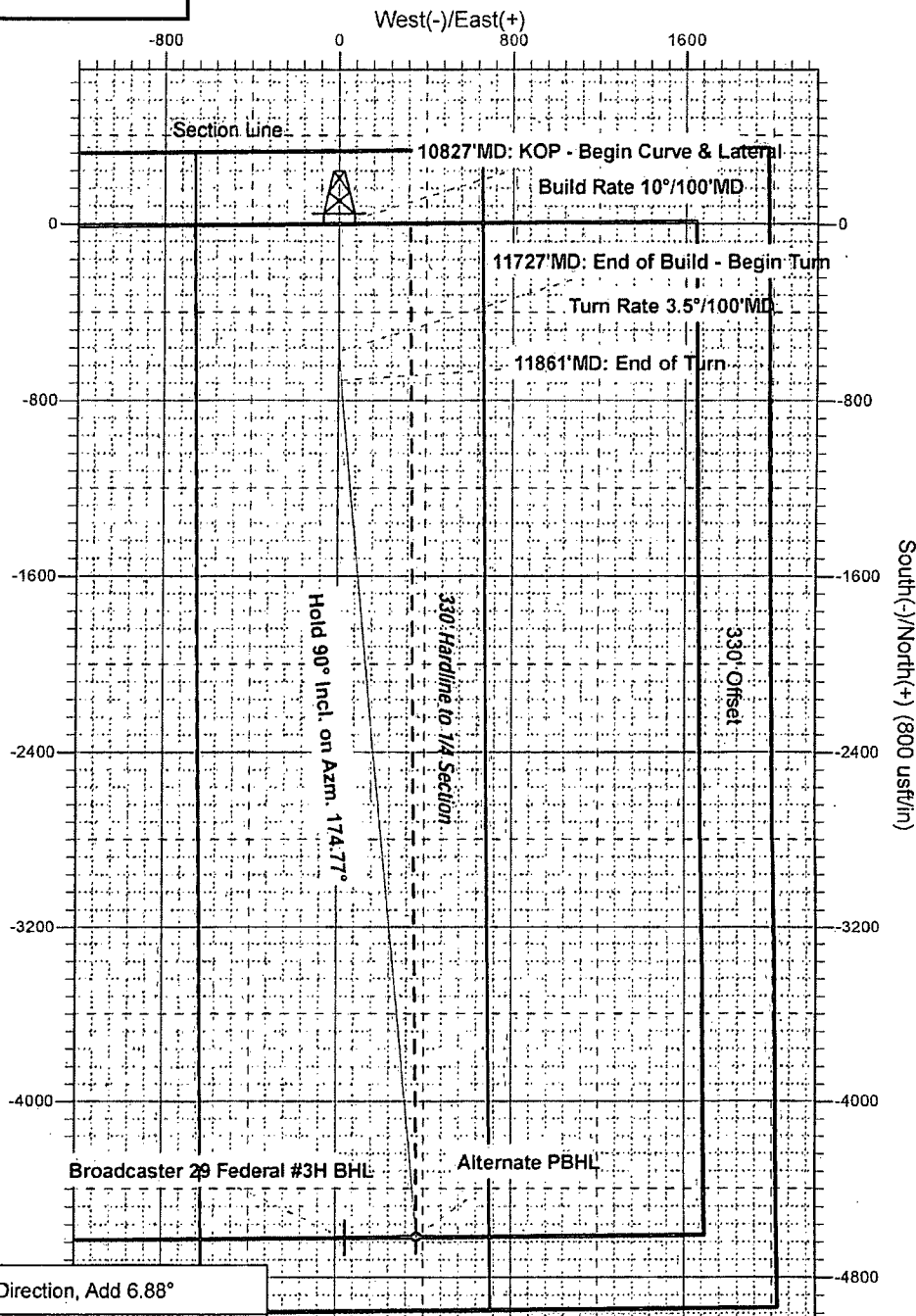
HALLIBURTON

Sperry Drilling Services

Project: Lea County, NM (NAD 83)
 Site: Broadcaster 29 Federal
 Well: Broadcaster 29 Federal #3H
 Wellbore: Wellbore #1
 Plan: Plan #3
 Rig: Patriot 4

Surface Location:

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3525' + KB 22.5' @ 3547.50usft (Patriot 4)
 Northing 467330.00 Easting 801978.61 Latitude 32° 16' 55.012 N Longitude 103° 29' 23.803 W



To convert a Magnetic Direction to a Grid Direction, Add 6.88°

Magnetic Model: BGGM2014 Date: 23-Jun-14
 Azimuths to Grid North

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Alternate PBHL	11400.00	-4614.00	370.00	462716.00	802348.61	32° 16' 9.328 N	103° 29' 19.916 W
Broadcaster 29 Fed #3H BHL	1400.00	-4620.82	43.54	462709.18	802022.15	32° 16' 9.286 N	103° 29' 23.719 W

Endurance Resources LLC

Lea County, NM (NAD 83)

Broadcaster 29 Federal

Broadcaster 29 Federal #3H

Wellbore #1

Plan: Plan #3

Sperry Drilling Services Proposal Report

24 June, 2014

Well Coordinates: 467,330.00 N, 801,978.61 E (32° 16' 55.01" N, 103° 29' 23.80" W)

Ground Level: 3,525.00 usft

Local Coordinate Origin:

Centered on Well Broadcaster 29 Federal #3H

Viewing Datum:

GL 3525' + KB 22.5' @ 3547.50usft (Patriot 4)

TVDs to System:

N

North Reference:

Grid

Unit System:

API - US Survey Feet

Version: 5000.1 Build: 65

HALLIBURTON

HALLIBURTON

Plan Report for Broadcaster 29 Federal #3H - Plan #3

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Broadcaster 29 Federal #3H - Plan #3

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,827.04	0.00	0.00	10,827.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Build Rate 10°/100MD - 10827MD: KOP - Begin Curve & Lateral										
10,900.00	7.30	179.46	10,899.80	-4.64	0.04	4.63	10.00	10.00	0.00	179.46
11,000.00	17.30	179.46	10,997.39	-25.91	0.24	25.84	10.00	10.00	0.00	0.00
11,100.00	27.30	179.46	11,089.79	-63.80	0.60	63.64	10.00	10.00	0.00	0.00
11,200.00	37.30	179.46	11,174.21	-117.15	1.10	116.87	10.00	10.00	0.00	0.00
11,300.00	47.30	179.46	11,248.09	-184.36	1.74	183.91	10.00	10.00	0.00	0.00
11,400.00	57.30	179.46	11,309.17	-263.38	2.48	262.73	10.00	10.00	0.00	0.00
11,500.00	67.30	179.46	11,355.60	-351.80	3.32	350.93	10.00	10.00	0.00	0.00

Plan Report for Broadcaster 29 Federal #3H - Plan #3

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
11,600.00	77.30	179.46	11,385.97	-446.93	4.21	445.84	10.00	10.00	0.00	0.00
11,700.00	87.30	179.46	11,399.36	-545.90	5.15	544.57	10.00	10.00	0.00	0.00
11,727.04	90.00	179.46	11,400.00	-572.93	5.40	571.53	10.00	10.00	0.00	0.00
Turn Rate 3.5°/100' MD - 11727' MD: End of Build - Begin Turn										
11,800.00	90.00	176.91	11,400.00	-645.85	7.71	644.40	3.50	0.00	-3.50	-90.00
11,861.13	90.00	174.77	11,400.00	-706.81	12.15	705.52	3.50	0.00	-3.50	-90.00
Hold 90° Incl. on Azm. 174.77° - 11861' MD: End of Turn										
11,900.00	90.00	174.77	11,400.00	-745.52	15.70	744.39	0.00	0.00	0.00	0.00
12,000.00	90.00	174.77	11,400.00	-845.10	24.82	844.38	0.00	0.00	0.00	0.00
12,100.00	90.00	174.77	11,400.00	-944.69	33.94	944.38	0.00	0.00	0.00	0.00
12,200.00	90.00	174.77	11,400.00	-1,044.27	43.06	1,044.37	0.00	0.00	0.00	0.00
12,300.00	90.00	174.77	11,400.00	-1,143.85	52.18	1,144.36	0.00	0.00	0.00	0.00
12,400.00	90.00	174.77	11,400.00	-1,243.44	61.30	1,244.36	0.00	0.00	0.00	0.00
12,500.00	90.00	174.77	11,400.00	-1,343.02	70.42	1,344.35	0.00	0.00	0.00	0.00
12,600.00	90.00	174.77	11,400.00	-1,442.60	79.54	1,444.34	0.00	0.00	0.00	0.00
12,700.00	90.00	174.77	11,400.00	-1,542.19	88.66	1,544.34	0.00	0.00	0.00	0.00
12,800.00	90.00	174.77	11,400.00	-1,641.77	97.78	1,644.33	0.00	0.00	0.00	0.00
12,900.00	90.00	174.77	11,400.00	-1,741.35	106.90	1,744.33	0.00	0.00	0.00	0.00
13,000.00	90.00	174.77	11,400.00	-1,840.94	116.02	1,844.32	0.00	0.00	0.00	0.00
13,100.00	90.00	174.77	11,400.00	-1,940.52	125.14	1,944.31	0.00	0.00	0.00	0.00
13,200.00	90.00	174.77	11,400.00	-2,040.10	134.26	2,044.31	0.00	0.00	0.00	0.00
13,300.00	90.00	174.77	11,400.00	-2,139.69	143.38	2,144.30	0.00	0.00	0.00	0.00
13,400.00	90.00	174.77	11,400.00	-2,239.27	152.50	2,244.29	0.00	0.00	0.00	0.00
13,500.00	90.00	174.77	11,400.00	-2,338.85	161.62	2,344.29	0.00	0.00	0.00	0.00
13,600.00	90.00	174.77	11,400.00	-2,438.44	170.75	2,444.28	0.00	0.00	0.00	0.00
13,700.00	90.00	174.77	11,400.00	-2,538.02	179.87	2,544.27	0.00	0.00	0.00	0.00
13,800.00	90.00	174.77	11,400.00	-2,637.60	188.99	2,644.27	0.00	0.00	0.00	0.00
13,900.00	90.00	174.77	11,400.00	-2,737.18	198.11	2,744.26	0.00	0.00	0.00	0.00
14,000.00	90.00	174.77	11,400.00	-2,836.77	207.23	2,844.26	0.00	0.00	0.00	0.00
14,100.00	90.00	174.77	11,400.00	-2,936.35	216.35	2,944.25	0.00	0.00	0.00	0.00
14,200.00	90.00	174.77	11,400.00	-3,035.93	225.47	3,044.24	0.00	0.00	0.00	0.00
14,300.00	90.00	174.77	11,400.00	-3,135.52	234.59	3,144.24	0.00	0.00	0.00	0.00
14,400.00	90.00	174.77	11,400.00	-3,235.10	243.71	3,244.23	0.00	0.00	0.00	0.00
14,500.00	90.00	174.77	11,400.00	-3,334.68	252.83	3,344.22	0.00	0.00	0.00	0.00
14,600.00	90.00	174.77	11,400.00	-3,434.27	261.95	3,444.22	0.00	0.00	0.00	0.00
14,700.00	90.00	174.77	11,400.00	-3,533.85	271.07	3,544.21	0.00	0.00	0.00	0.00
14,800.00	90.00	174.77	11,400.00	-3,633.43	280.19	3,644.20	0.00	0.00	0.00	0.00
14,900.00	90.00	174.77	11,400.00	-3,733.02	289.31	3,744.20	0.00	0.00	0.00	0.00
15,000.00	90.00	174.77	11,400.00	-3,832.60	298.43	3,844.19	0.00	0.00	0.00	0.00
15,100.00	90.00	174.77	11,400.00	-3,932.18	307.55	3,944.18	0.00	0.00	0.00	0.00
15,200.00	90.00	174.77	11,400.00	-4,031.77	316.67	4,044.18	0.00	0.00	0.00	0.00
15,300.00	90.00	174.77	11,400.00	-4,131.35	325.80	4,144.17	0.00	0.00	0.00	0.00
15,400.00	90.00	174.77	11,400.00	-4,230.93	334.92	4,244.17	0.00	0.00	0.00	0.00
15,500.00	90.00	174.77	11,400.00	-4,330.52	344.04	4,344.16	0.00	0.00	0.00	0.00
15,600.00	90.00	174.77	11,400.00	-4,430.10	353.16	4,444.15	0.00	0.00	0.00	0.00
15,700.00	90.00	174.77	11,400.00	-4,529.68	362.28	4,544.15	0.00	0.00	0.00	0.00
15,761.69	90.00	174.77	11,400.00	-4,591.11	367.90	4,605.83	0.00	0.00	0.00	0.00
Broadcaster 29 Federal #3H BHL										
15,784.67	90.00	174.77	11,400.00	-4,614.00	370.00	4,628.81	0.00	0.00	0.00	0.00
15785' MD: PBHL - Alternate PBHL										

HALLIBURTON

Plan Report for Broadcaster 29 Federal #3H - Plan #3

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,827.04	10,827.04	0.00	0.00	Build Rate 10°/100'MD
10,827.04	10,827.04	0.00	0.00	10827'MD: KOP - Begin Curve & Lateral
11,727.04	11,400.00	-572.93	5.40	Turn Rate 3.5°/100'MD
11,727.04	11,400.00	-572.93	5.40	11727'MD: End of Build - Begin Turn
11,861.13	11,400.00	-706.81	12.15	Hold 90° Incl. on Azm. 174.77°
11,861.13	11,400.00	-706.81	12.15	11861'MD: End of Turn
15,784.67	11,400.00	-4,614.00	370.00	15785'MD: PBHL

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	175.42	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	15,784.49	Plan #3	MWD+SC

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Broadcaster 29 Federal #3H BHL	11,400.00	-4,620.82	43.54	Rectangle
Alternate PBHL	11,400.00	-4,614.00	370.00	Point

HALLIBURTON**North Reference Sheet for Broadcaster 29 Federal - Broadcaster 29 Federal #3H - Wellbore #1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3525' + KB 22.5' @ 3547.50usft (Patriot 4). Northing and Easting are relative to Broadcaster 29 Federal #3H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GR5 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 0.99998689

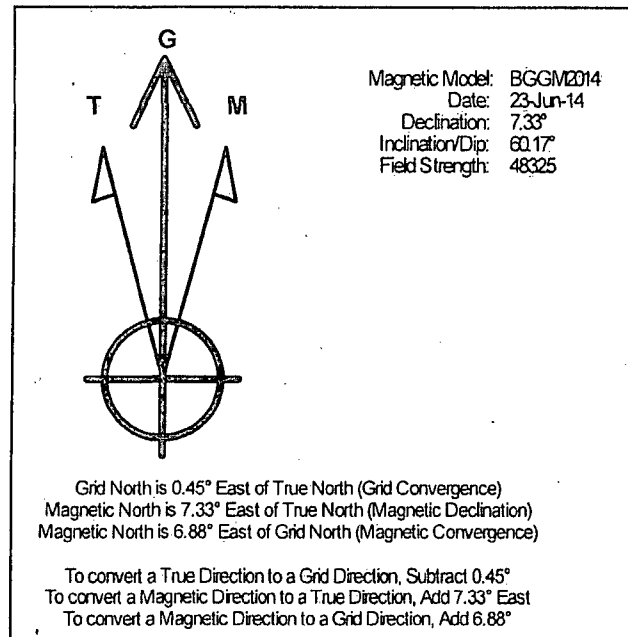
Grid Coordinates of Well: 467,330.00 usft N, 801,978.61 usft E

Geographical Coordinates of Well: 32° 16' 55.01" N, 103° 29' 23.80" W

Grid Convergence at Surface is: 0.45°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,784.67usft the Bottom Hole Displacement is 4,628.81usft in the Direction of 175.42° (Grid).

Magnetic Convergence at surface is: -6.88° (23 June 2014, , BGGM2014)



BROADCASTER 29 FED 3H – Amended Casing and Cement Programs -7/14/2014

1. Proposed Casing Program – As Amended 07/14/2014:

Hole Size	Interval	CSG OD	CSG Interval	Weight	Collar	Grade
17.5"	0' – 1085'	13.375"	0 - 1085'	48#	BTC	J-55
12.25"	1080' – 5100'	9.625"	0 - 4350'	40#	STC	J-55
12.25"	1080-5100	9.625"	4350'-5100'	40#	LTC	HCL-80
8.75"	5100' - TD	5.5"	0 – 15,785'	20#	BTC	HCP-110

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13.375"	2.23	5.38	8.69
9.625"	1.14	1.75	2.60
9.625"	1.60	2.17	4.10
5.5"	2.08	2.32	2.11

NOTE: ALL CASING IS NEW & API APPROVED. WHILE RUNNING CASING, PIPE WILL BE KEPT A MINIMUM OF 1/3 FULL AT ALL TIMES TO AVOID APPROACHING COLLAPSE PRESSURE OF THE CASING. SURFACE CASING WILL BE WATCHED & NECESSARY ADJUSTMENTS MADE TO ENSURE PIPE IF FULL DUE TO LOST CIRCULATION ZONES THAT MAY OCCUR. CENTRALIZERS WILL BE USED ON SURFACE CASING

2. Proposed Cement Program – As Amended 07/14/2014:

Casing / Wellbore Description: Surface - 13 3/8" x 17 1/2" (54# / J-55 / BTC)					
Stage	Slurry Description	Weight (ppg)	Yield (ft. ³ /sk)	Sacks	% Excess
Lead	Class C, 4% Bentonite, 2% Calcium Chloride	13.7	1.68	540	100 (OH)
Tail	Class C	14.8	1.33	550	100
Casing / Wellbore Description: Intermediate 9 5/8" x 12 1/4" (40# / J-55,L-80 / STC,LTC)					
Stage	Slurry Description	Weight	Yield	Sacks	% Excess
Lead	65% Class C, 35% Poz, 6% Bentonite, .125 lb/sk Poly-E-Flake, .4% HR-800	12.9	1.77	1140	75 (OH)
Tail	Class C Cement	14.8	1.33	230	75
Casing / Wellbore Description: Production 5 1/2" x 8 3/4" (20# / HCP-110 / BTC)					
Stage	Slurry Description	Weight	Yield	Sacks	% Excess
Lead	50% Class H, 50% Poz, 10% Bentonite, .1% Fe-2, 5% Cal-Seal 60, .25 lb D-Air 5000	11.5	2.63	780	15 (OH)
Tail	50% Class H, 50% Poz, 2% Bentonite, .5% Halad-9, .2% Econolite, 3% KCL, .2% HR-601	14.2	1.31	1305	15

NOTE: THE ABOVE CEMENT VOLUMES COULD BE REVISED PENDING FLUID CALIPER & CALIPER LOG DATA. ALL VOLUMES ARE DESIGNED TO CIRCULATE TO SURFACE. Production cement will circulate to at least 200' above intermediate casing shoe.