

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.**

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

FEB 12 2015

2. Name of Operator
Endurance Resources LLC

3a. Address
203 West Wall, Suite 1000
Midland, Texas 79701

3b. Phone No. (include area code)
(432) - 242 - 4680

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 34 T25S - R35E
660' FSL & 1980' FEL

5. Lease Serial No.
NM 45706

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Jazz Bass #3H

9. API Well No.
30-025-27916

10. Field and Pool or Exploratory Area
Wildcat Bone Spring (97088)

11. County or Parish, State
Lea, NM

12. CHECK THE 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 EXPAND SURFACE
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	LOCATION & SIDE
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	TRACK

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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must 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

1.) MIRU PU, POOH w/existing production equipment & lay down

2.) Dump Bail Cement Plug over existing CIBP/Cement Plug @ 13160' to 12100' effectively isolating:

- Wolfcamp Formation @ 12360

- active Bone Spring perms @ 12278 - 12314

- 5.5" liner top @ 12177

* All markers above will be tagged to verify cement depth set

3.) Pressure Test 9 5/8" Casing String to 2600 psi

4.) Set & Test CIBP @ 11,600'. (1000 psi test)

5.) Set Whipstock over CIBP @ 11,600. RDMO PU.

6.) MIRU Drilling Rig. Bore Window in 9 5/8" Intermediate Casing w/6.125" bit @ KOP of 11,600.

7.) Continue drilling curve and lateral section to MD = 16297 & TVD = 12320

8.) Run 5 1/2" HCP-110 20# BTC Production Casing to 16297.

9.) Cement 5 1/2" Casing with : Lead -825 sacks 50% Class H, 50% SilicaLite-Poz, 2%Gel, .1% Fe-2, .1% FWCA, 3lb/sk Kol-Seal, .25%HR-601, .5 lb/sk Poly E-Flake / Tail - 65% Class H, 30% Silica Poz, 5% Poz, .5% Halad-344, .25% CFR-3, 1 lb/sk Salt, .25% HR-601, .125 lb/sk Poly-E-Flake

10.) Complete well in Bone Spring formation and turn over to production

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
M. A. Sirgo III

Title VP Operations

Signature

Date 04/08/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ STEPHEN J. CAFFEY

Title

FIELD MANAGER

Date

JAN 29 2015

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

CARLSBAD FIELD 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 fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

E-PERMITTING - - New Well _____ false,
Comp _____ P&A _____ TA _____
CSNG _____ Loc Chng _____
ReComp dm Add New Well _____
Cancl Well _____ Create Pool _____

FEB 12 2015



Endurance Resources LLC

DRILLING & OPERATIONS PROGRAM

Jazz Bass 34 Federal #3H

SHL: 660' FSL & 1980' FEL (O)

BHL: 330' FNL & 1980' FEL (B)

Sec 34-25S-35E

Lea Co, NM

1. Geological Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geological Markers

Rustler	920'
Top of Salt	1,258'
Castile	3,760'
Lamar	5,225'
Bell Canyon	5,254'
Cherry Canyon	6,270'
Brushy Canyon	7,726'
Bone Spring Lime	9,280'
1 st Bone Spring	10,330'
2 nd Bone Spring	10,600'
3 rd Bone Spring	11,950'
TVD: 12,320'; MD: 16,297'	

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas

The estimated depths at which water, oil and gas will be encountered are as follows:

Water: Average depth to water: 300'. Minimum depth: 0'. Max: 600'. As reported from the New Mexico Office of the State Engineer website.

Oil & Gas: 5,254' – 11,950' (Bell Canyon through Bone Spring)

No other formations are expected to give up oil, gas, or fresh water in measurable quantities.



4. Proposed Casing Program:

<u>Casing</u>	<u>Hole Size</u>	<u>Interval</u>	<u>CSG OD</u>	<u>CSG Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
Surface*	17.5"	0' – 849'	20"	0 - 849'	94#	STC	J-55
Intermediate*	12.25"	849' – 5176'	13.375"	0' – 5176'	72#	STC	N-80
Intermediate*	8.75"	5176' – 12686'	9.625"	0' - 12686'	53.5#	LTC	S-95
Production	6.125"	11600' (KOP) - TD	5.5"	0' – 16360'	20#	BTC	HCP-110

*PRE-EXISTING CEMENTED CASING: WILL KICK OUT OF 9 5/8" CASING @ 11747'

<u>Casing</u>	<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
Production	5.5"	1.92	2.15	2.04

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

5. Proposed Cement Program

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% SilicaLite-Poz, 2%Gel, .1% Fe-2, .1% FWCA, 3lb/sk Kol-Seal, .25%HR-601, .5 lb/sk Poly-E-Flake	11.5	2.39	825	50 (OH)
Tail	65% Class H, 30% Silica Poz, 5% Poz, .5% Halad-344, .25% CFR-3, 1 lb/sk Salt, .25% HR-601, .125 lb/sk Poly-E-Flake	13.2	1.61	1065	50

NOTE: THE ABOVE CEMENT VOLUMES COULD BE REVISED PENDING FLUID CALIPER & CALIPER LOG DATA. ALL VOLUMES ARE DESIGNED TO CIRCULATE TO SURFACE.



6. Minimum Specifications for Pressure Control:

*Re-entry pressure control will be held to same protocol as new drill specifications.

The system used for the production (8.75" hole) will consist of a 13-5/8 (3M) working pressure BOP system consisting of one set of blind rams and one set of pipe rams and a 3000# annular type preventer (please see BOP schematic). A 3M choke manifold & 120 gallon accumulator with floor and remote operating stations & auxiliary power system. Rotating head as needed. A Kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP unit will be hydraulically operated. BOP will be NU and operated at least once a day while drilling and the blind rams will be operated when out of the hole during trips. From the base of the 13-3/8" csg through running of production casing, the well will be equipped with a 3M BOP system and HCR valve, remote kill line, & annular to match. The remote kill line will be installed prior to testing the system & tested to stack pressure.

Before kicking out of the 9 5/8 intermediate casing, BOP will be tested by an independent surface company to 250 psi low & 3000 psi high. These low pressure tests from 250 to 300 psi will be held a minimum of 10 minutes if test is done with a test plug or 30 minutes if conducted without a test plug. Annular Preventer will be tested to 250 psi low and 2500 psi high. These low pressure tests from 250 to 300 psi will be held a minimum of 10 minutes if test is done with a test plug or 30 minutes if conducted without a test plug.

7. Estimated BHP:

5538 psi @ 12,320' TVD

8. Mud Program: The applicable depths & properties of this system are as follows:

Depth	Type of System	Mud Weight	Viscosity (sec)	Waterloss (cc)
0 – 16,360'	Cut Brine	8.3 – 9.3	28-30	NC



NOTE: NECESSARY MUD PRODUCTS FOR WEIGHT ADDITION & FLUID LOSS WILL BE ON LOCATION AT ALL TIMES. VISUAL MUD MONITORING EQUIPMENT (I.E. TRIP TANK) WILL BE IN PLACE TO DETECT VOLUME CHANGES INDICATING LOSS OR GAIN OF CIRCULATION VOLUME WITH ALARMS.

9. Auxiliary Well Control & Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times
- c. H2S detection equipment will be in operation & breathing apparatuses will be on location after the drill out of the 13-3/8" casing shoe until the 5-1/2" casing is cemented.

10. Potential Hazards:

No abnormal pressures or temperatures are expected. If H2S is encountered, Endurance Resources LLC will comply with Onshore Order #6. Regardless, all personnel will be trained & qualified with H2S safety. Rig safety equipment will all also be checked daily from drill out of the 9-5/8" casing window to TD. If H2S is encountered, measurements & formations will be reported to the BLM.

11. Anticipated starting date & Duration of Operations:

Road & location construction will begin after the BLM has approved the APD. Anticipated spud date will begin after BLM approval & after a drilling rig is secured. Move in operations & drilling is expected to take no more than 45 days. An additional 30-50 days will be needed to complete this well & construct surface facilities and/or lay flow lines in order to place well on production.

Endurance Resources LLC

HALLIBURTON
Sperry Drilling Services

Project: Lea County, NM (NAD 83)
Site: Jazzbass 34 Federal
Well: Jazzbass 34 Federal 3H
Wellbore: Wellbore #1
Design: Plan #2
Rig: Patriot 4

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	
11600.00	0.00	0.00	11600.00	0.00	0.00	0.00	0.00	0.00	Start Build
12730.97	90.00	359.51	12320.00	719.97	-6.14	7.96	359.51	720.00	End Build
16297.62	90.00	359.51	12320.00	4286.49	-36.56	0.00	0.00	4286.65	TD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Jazzbass 34 Federal 3H BHL	12320.00	4286.49	-36.56	399011.92	844849.63	32° 5' 35.418 N	103° 21' 11.710 W

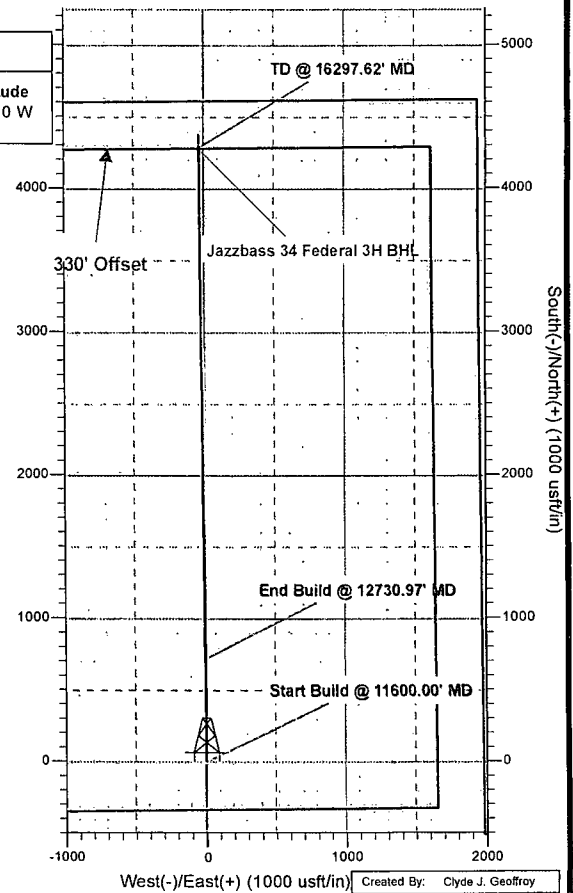
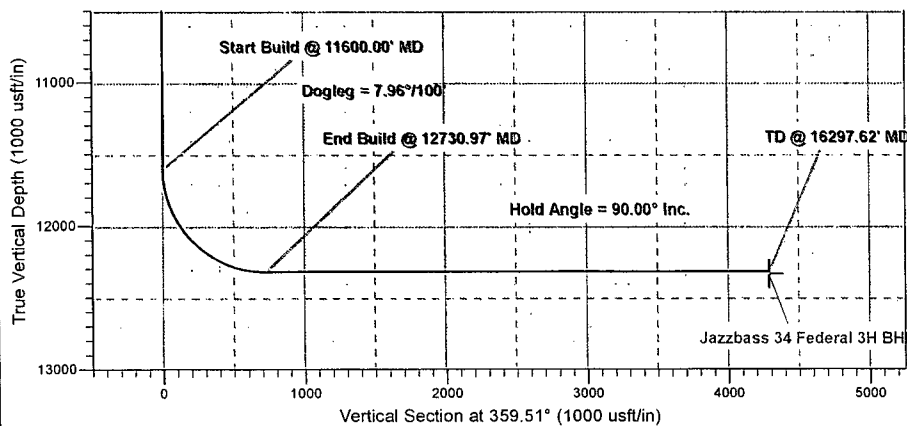
Surface Location:

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3171' + KB 22.5' @ 3193.50usft (Patriot 4)
Northing: 394725.43 Easting: 844886.19 Latitude: 32° 4' 53.001 N Longitude: 103° 21' 11.738 W



To convert a Magnetic Direction to a Grid Direction, Add 6.73°

Magnetic Model: BGGM2013 Date: 27-Jan-14
Azimuths to Grid North



Endurance Resources LLC

Lea County, NM (NAD 83)

Jazzbass 34 Federal

Jazzbass 34 Federal 3H

Wellbore #1

Plan: Plan #2

Sperry Drilling Services Proposal Report

24 April, 2014

Well Coordinates: 394,725.43 N, 844,886.19 E (32° 04' 53.00" N, 103° 21' 11.74" W)
Ground Level: 3,171.00 usft

Local Coordinate Origin:	Centered on Well Jazzbass 34 Federal 3H
Viewing Datum:	GL 3171' + KB 22.5' @ 3193.50usft (Patriot 4)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 65

HALLIBURTON

Plan Report for Jazzbass 34 Federal 3H - Plan #2

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 Jazzbass 34 Federal 3H - Plan #2

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
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,600.00	0.00	0.00	11,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Start Build @ 11600.00' MD - Dogleg = 7.96°/100'

HALLIBURTON**Plan Report for Jazzbass 34 Federal 3H - Plan #2**

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 (°)
11,650.00	3.98	359.51	11,649.96	1.74	-0.01	1.74	7.96	7.96	0.00	359.51
11,700.00	7.96	359.51	11,699.68	6.93	-0.06	6.93	7.96	7.96	0.00	0.00
11,750.00	11.94	359.51	11,748.92	15.57	-0.13	15.57	7.96	7.96	0.00	0.00
11,800.00	15.92	359.51	11,797.44	27.60	-0.24	27.60	7.96	7.96	0.00	0.00
11,850.00	19.89	359.51	11,845.01	42.97	-0.37	42.97	7.96	7.96	0.00	0.00
11,900.00	23.87	359.51	11,891.39	61.60	-0.53	61.60	7.96	7.96	0.00	0.00
11,950.00	27.85	359.51	11,936.38	83.40	-0.71	83.41	7.96	7.96	0.00	0.00
12,000.00	31.83	359.51	11,979.74	108.28	-0.92	108.28	7.96	7.96	0.00	0.00
12,050.00	35.81	359.51	12,021.27	136.10	-1.16	136.11	7.96	7.96	0.00	0.00
12,100.00	39.79	359.51	12,060.77	166.74	-1.42	166.75	7.96	7.96	0.00	0.00
12,150.00	43.77	359.51	12,098.05	200.04	-1.71	200.05	7.96	7.96	0.00	0.00
12,200.00	47.75	359.51	12,132.93	235.85	-2.01	235.86	7.96	7.96	0.00	0.00
12,250.00	51.73	359.51	12,165.24	274.00	-2.34	274.01	7.96	7.96	0.00	0.00
12,300.00	55.70	359.51	12,194.82	314.29	-2.68	314.31	7.96	7.96	0.00	0.00
12,350.00	59.68	359.51	12,221.54	356.54	-3.04	356.56	7.96	7.96	0.00	0.00
12,400.00	63.66	359.51	12,245.26	400.55	-3.42	400.56	7.96	7.96	0.00	0.00
12,450.00	67.64	359.51	12,265.87	446.09	-3.80	446.10	7.96	7.96	0.00	0.00
12,500.00	71.62	359.51	12,283.27	492.95	-4.20	492.97	7.96	7.96	0.00	0.00
12,550.00	75.60	359.51	12,297.38	540.91	-4.61	540.93	7.96	7.96	0.00	0.00
12,600.00	79.58	359.51	12,308.12	589.73	-5.03	589.75	7.96	7.96	0.00	0.00
12,650.00	83.56	359.51	12,315.45	639.17	-5.45	639.20	7.96	7.96	0.00	0.00
12,700.00	87.54	359.51	12,319.33	689.01	-5.88	689.04	7.96	7.96	0.00	0.00
12,730.97	90.00	359.51	12,320.00	719.97	-6.14	720.00	7.96	7.96	0.00	0.00
End Build @ 12730.97' MD - Hold Angle = 90.00° Inc.										
12,800.00	90.00	359.51	12,320.00	789.00	-6.73	789.03	0.00	0.00	0.00	0.00
12,900.00	90.00	359.51	12,320.00	888.99	-7.58	889.03	0.00	0.00	0.00	0.00
13,000.00	90.00	359.51	12,320.00	988.99	-8.44	989.03	0.00	0.00	0.00	0.00
13,100.00	90.00	359.51	12,320.00	1,088.99	-9.29	1,089.03	0.00	0.00	0.00	0.00
13,200.00	90.00	359.51	12,320.00	1,188.98	-10.14	1,189.03	0.00	0.00	0.00	0.00
13,300.00	90.00	359.51	12,320.00	1,288.98	-10.99	1,289.03	0.00	0.00	0.00	0.00
13,400.00	90.00	359.51	12,320.00	1,388.98	-11.85	1,389.03	0.00	0.00	0.00	0.00
13,500.00	90.00	359.51	12,320.00	1,488.97	-12.70	1,489.03	0.00	0.00	0.00	0.00
13,600.00	90.00	359.51	12,320.00	1,588.97	-13.55	1,589.03	0.00	0.00	0.00	0.00
13,700.00	90.00	359.51	12,320.00	1,688.97	-14.41	1,689.03	0.00	0.00	0.00	0.00
13,800.00	90.00	359.51	12,320.00	1,788.96	-15.26	1,789.03	0.00	0.00	0.00	0.00
13,900.00	90.00	359.51	12,320.00	1,888.96	-16.11	1,889.03	0.00	0.00	0.00	0.00
14,000.00	90.00	359.51	12,320.00	1,988.95	-16.96	1,989.03	0.00	0.00	0.00	0.00
14,100.00	90.00	359.51	12,320.00	2,088.95	-17.82	2,089.03	0.00	0.00	0.00	0.00
14,200.00	90.00	359.51	12,320.00	2,188.95	-18.67	2,189.03	0.00	0.00	0.00	0.00
14,300.00	90.00	359.51	12,320.00	2,288.94	-19.52	2,289.03	0.00	0.00	0.00	0.00
14,400.00	90.00	359.51	12,320.00	2,388.94	-20.38	2,389.03	0.00	0.00	0.00	0.00
14,500.00	90.00	359.51	12,320.00	2,488.94	-21.23	2,489.03	0.00	0.00	0.00	0.00
14,600.00	90.00	359.51	12,320.00	2,588.93	-22.08	2,589.03	0.00	0.00	0.00	0.00
14,700.00	90.00	359.51	12,320.00	2,688.93	-22.93	2,689.03	0.00	0.00	0.00	0.00
14,800.00	90.00	359.51	12,320.00	2,788.93	-23.79	2,789.03	0.00	0.00	0.00	0.00
14,900.00	90.00	359.51	12,320.00	2,888.92	-24.64	2,889.03	0.00	0.00	0.00	0.00
15,000.00	90.00	359.51	12,320.00	2,988.92	-25.49	2,989.03	0.00	0.00	0.00	0.00
15,100.00	90.00	359.51	12,320.00	3,088.91	-26.35	3,089.03	0.00	0.00	0.00	0.00
15,200.00	90.00	359.51	12,320.00	3,188.91	-27.20	3,189.03	0.00	0.00	0.00	0.00
15,300.00	90.00	359.51	12,320.00	3,288.91	-28.05	3,289.03	0.00	0.00	0.00	0.00
15,400.00	90.00	359.51	12,320.00	3,388.90	-28.90	3,389.03	0.00	0.00	0.00	0.00
15,500.00	90.00	359.51	12,320.00	3,488.90	-29.76	3,489.03	0.00	0.00	0.00	0.00
15,600.00	90.00	359.51	12,320.00	3,588.90	-30.61	3,589.03	0.00	0.00	0.00	0.00
15,700.00	90.00	359.51	12,320.00	3,688.89	-31.46	3,689.03	0.00	0.00	0.00	0.00
15,800.00	90.00	359.51	12,320.00	3,788.89	-32.32	3,789.03	0.00	0.00	0.00	0.00
15,900.00	90.00	359.51	12,320.00	3,888.89	-33.17	3,889.03	0.00	0.00	0.00	0.00
16,000.00	90.00	359.51	12,320.00	3,988.88	-34.02	3,989.03	0.00	0.00	0.00	0.00
16,100.00	90.00	359.51	12,320.00	4,088.88	-34.87	4,089.03	0.00	0.00	0.00	0.00
16,200.00	90.00	359.51	12,320.00	4,188.87	-35.73	4,189.03	0.00	0.00	0.00	0.00

Plan Report for Jazzbass 34 Federal 3H - Plan #2

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 (°)
16,297.62	90.00	359.51	12,320.00	4,286.49	-36.56	4,286.65	0.00	0.00	0.00	0.00
TD @ 16297.62' MD - Jazzbass 34 Federal 3H BHL										

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,600.00	11,600.00	0.00	0.00	Start Build @ 11600.00' MD
11,600.00	11,600.00	0.00	0.00	Dogleg = 7.96°/100'
12,730.97	12,320.00	719.97	-6.14	End Build @ 12730.97' MD
12,730.97	12,320.00	719.97	-6.14	Hold Angle = 90.00° Inc.
16,297.62	12,320.00	4,286.49	-36.56	TD @ 16297.62' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	359.51	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	16,297.62	Plan #2	MWD

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Jazzbass 34 Federal 3H BHL	12,320.00	4,286.49	-36.56	Point

North Reference Sheet for Jazzbass 34 Federal - Jazzbass 34 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 3171' + KB 22.5' @ 3193.50usft (Patriot 4). Northing and Easting are relative to Jazzbass 34 Federal 3H Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 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: 1.00001463

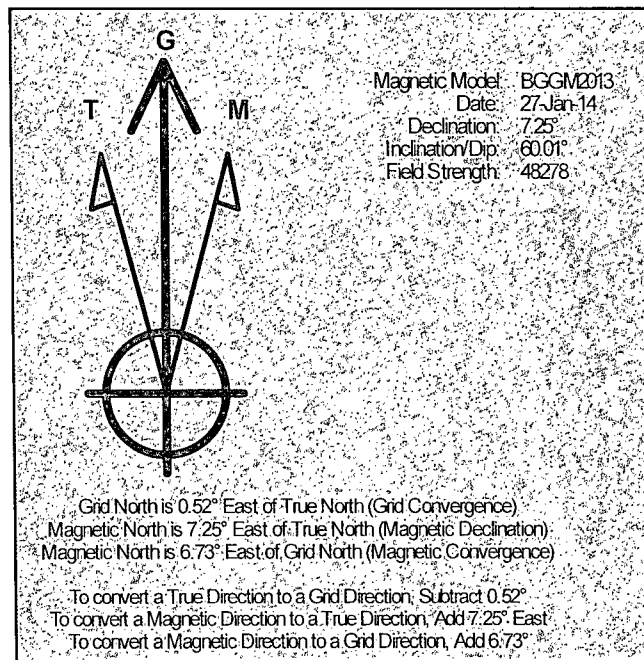
Grid Coordinates of Well: 394,725.43 usft N, 844,886.19 usft E

Geographical Coordinates of Well: 32° 04' 53.00" N, 103° 21' 11.74" W

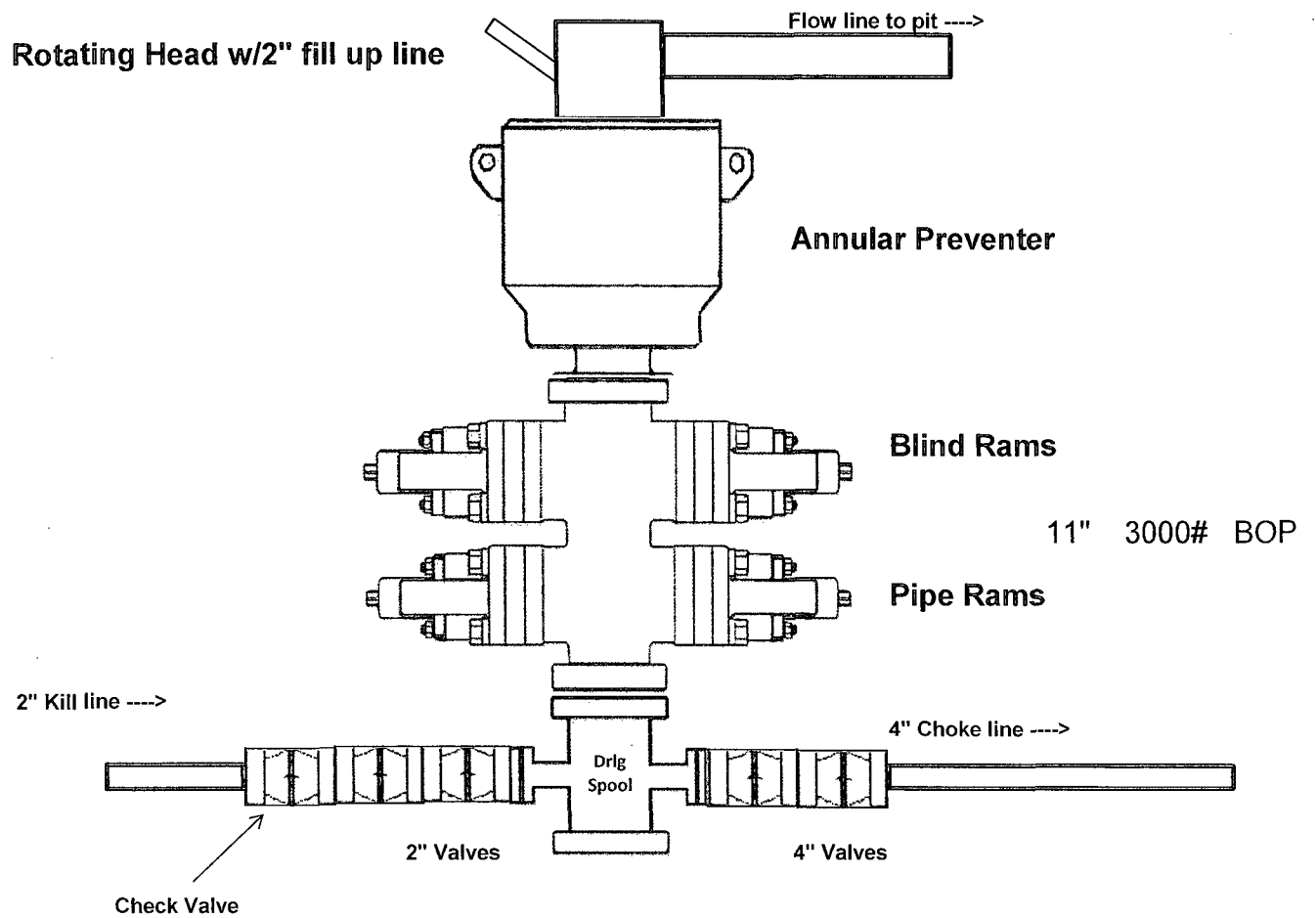
Grid Convergence at Surface is: 0.52°

Based upon Minimum Curvature type calculations, at a Measured Depth of 16,297.62usft the Bottom Hole Displacement is 4,286.65usft in the Direction of 359.51° (Grid).

Magnetic Convergence at surface is: -6.73° (27 January 2014, , BGGM2013)



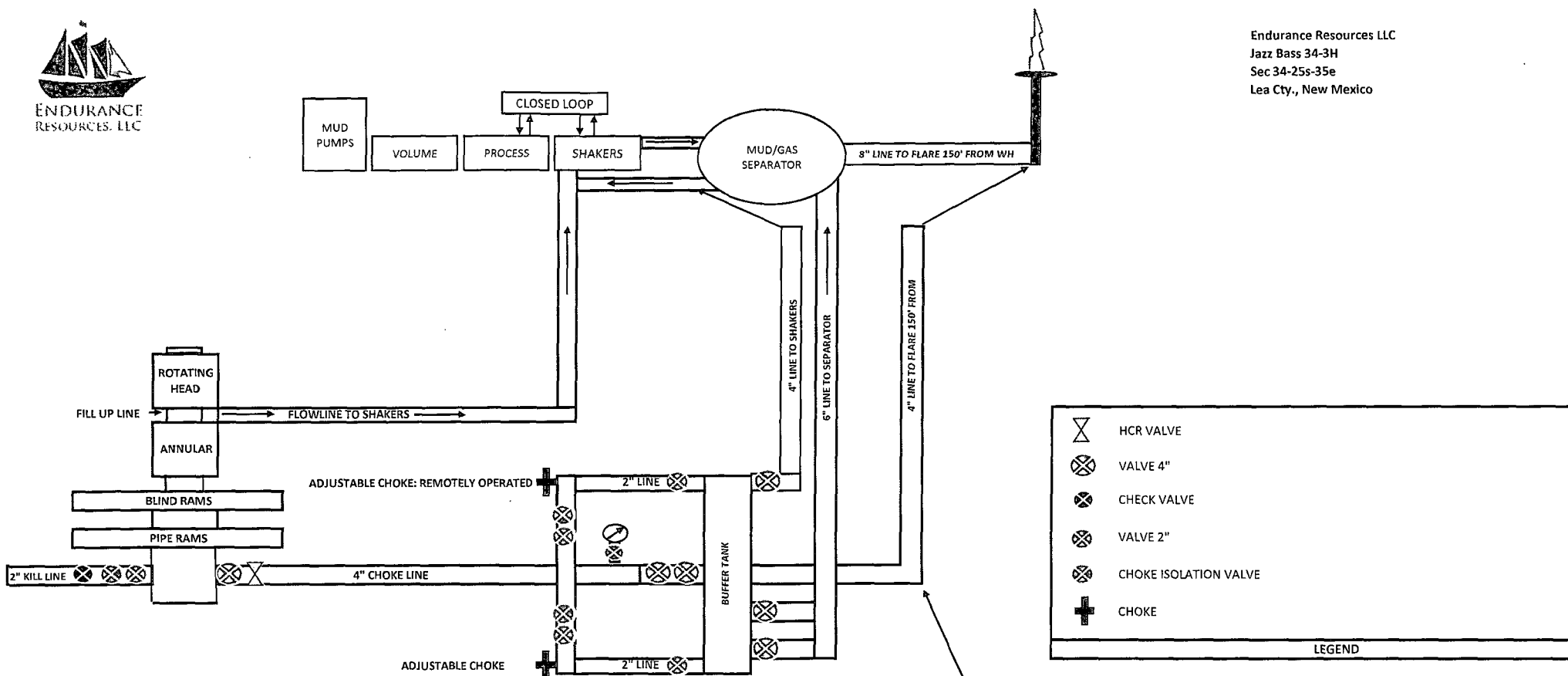
3,000 psi BOP Schematic



3M BOP, 3M CHOKE MANIFOLD, AND CLOSED LOOP EQUIPMENT SCHEMATIC FOR 13-5/8 BOP SYSTEM TESTED TO 3M PER ONSHORE ORDER #2



Endurance Resources LLC
Jazz Bass 34-3H
Sec 34-25s-35e
Lea Cty., New Mexico



TARGETED T'S. ALL TURNS WILL BE TARGETED.
OPTION TO USE FLEX HOUSE. TBD ONCE DRILLING RIG IS SECURED. WILL SUNDRY.
ALL CHOKE LINES WILL BE STRAIGHT LINES UNLESS TURNS THAT USE TEE BLOCKS OR ARE
TARGETED WITH RUNNING TEES, AND WILL BE ANCHORED TO PREVENT WHIP & REDUCE VIBRATION

ENDURANCE RESOURCES LLC



Well Name: BETTIS FEDERAL 1

Field:

Location: 660' FSL & 1980' FEL; Sec 34-25S-35E

County: LEA

State: NM

Elevation: 3165 GL; 3193.5 KB (28')

Spud Date: 9/18/82

Compl Date: 2/6/83

API#: 30-025-27916

Prepared by: Kale Jackson

Date: 11/19/13

Rev: 4/17/14

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
23"	20"	849'	SURFACE

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
17-1/2"	13-3/8"	5,176'	SURFACE
CIRCULATED 1500 SX			

TOC @ 8,103'

BHA ASSEMBLY

SN @ 11,620' w/ perf sub & MJ

3JTS 2-7/8 TBG

TAC @ 11,528

378jts 2-7/8 tbg

121 1" rods

184-7/8 rods

176-3/4 rods

2.5x1.5x20' pump

BRUSHY CANYON PERFS 12/23/93

8896 - 8920

FRAC'D W/ 99,000#S 20/40 2/22/94

SQUEEZED

BONE SPRING PERFS 10/24/93

11,711 - 11,724; 11,730 - 11,734

11,736 - 11,742; 11,746 - 11,758

11,771 - 11,786; 11,789 - 11,811

PERFS OPEN. ACIDIZED ONLY

TOP OF LINER

5.5" 12,177'

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
12-1/4"	9-5/8"	12,686'	8,103'
CEMENT TOP VERIFIED BY TEMP LOG 11/26/82			
53.5# S-95			

CURRENT PRODUCING 3RD BONE SPRING PERFS
12,278 - 12,314 FRAC'D W/ 141,000#S 9/10/11

TOP OF LINER

2.875" 7.9# 13,258'
P-105

BTM OF 2-7/8 SHOE @ 14,268

TOP OF LINER

4.0" 11.6# 13,704'

BTM OF 4.0" SHOE @ 13,970

CIBP @ 13,160 W/ 35' OF CEMENT 8/27/11

STRAWN PERFS @ 13,766' - 14,176'

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
6-1/8"	5.5"	13,764'	TOL
23# P-110 Liner. CMT'D w/ 250 sxs			

CEMENT PLUGS @ 14,352 - 14,552
15,272 - 15,472

ENDURANCE RESOURCES LLC



Well Name: JAZZ BASS 34 FED 3H

Field:

Location: 660' FSL & 1980' FEL; Sec 34-25S-35E

County: LEA

State: NM

Elevation: 3165 GL; 3193.5 KB (28')

Spud Date: 9/18/82

Compl Date: 2/6/83

API#: 30-025-27916

Prepared by: Kale Jackson

Date: 11/19/13

Rev: 4/17/14

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
23"	20"	849'	SURFACE

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
17-1/2"	13-3/8"	5,176'	SURFACE

CIRCULATED 1500 SX

TOC @ 8,103'

BRUSHY CANYON PERFS 12/23/93
8896 - 8920
FRAC'D W/ 99,000#S 20/40 2/22/94
SQUEEZED

PROPOSED: 7-7/8" hole through window to TD

5-1/2" 20# P-110 csg from 0' to 16,297' MD/12,320' TVD

SET WHIPSTOCK @ 11,600'. WHIPSTOCK FACE @ 1.0"
PROPOSED

SET CIBP @ 11,650' & DUMP BAIL W/ 35 SX CEMENT
PROPOSED

TOP OF LINER

5.5" 12,177'

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
12-1/4"	9-5/8"	12,686'	8,103'

CEMENT TOP VERIFIED BY TEMP LOG 11/26/82

53.5# S-95

BONE SPRING PERFS 10/24/93
11,711 - 11,724; 11,730 - 11,734
11,736 - 11,742; 11,746 - 11,758
11,771 - 11,786; 11,789 - 11,811
PERFS OPEN. ACIDIZED ONLY

CEMENT PLUG SET FROM 13,160 TO 12,100'
ISOLATE WC TOP & LINER TOP
PROPOSED

CURRENT PRODUCING 3RD BONE SPRING PERFS
12,278 - 12,314 FRAC'D W/ 141,000#S 9/10/11

TOP OF WOLFCAMP @ 12,360'

TOP OF LINER

2.875" 7.9# 13,258'
P-105
BTM OF 2-7/8 SHOE @ 14,268

TOP OF LINER

4.0" 11.6# 13,704'
BTM OF 4.0" SHOE @ 13,970

CIBP @ 13,160 W/ 35' OF CEMENT 8/27/11

STRAWN PERFS @ 13,766' - 14,176'

CEMENT PLUGS @ 14,352 - 14,552
15,272 - 15,472

HOLE SIZE	CASING SIZE	DEPTH SET	CMT TOP
6-1/8"	5.5"	13,764'	TOL

23# P-110 Liner. CMT'D w/ 250 sxs