

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) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, A/tec, 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

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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 30-025-37231	² Pool Code 58960	³ Pool Name Teas; Penn (Gas) Bone Spring
⁴ Property Code 33532	⁵ Property Name Bandit 15 Federal	⁶ Well Number 2
⁷ OGRID No. 272295	⁸ Operator Name Three Rivers Operating Co, LLC	⁹ Elevation

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	15	20S	33E		1980	South	1780	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

¹⁶	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 Signature <u>Tom Stratton</u> Date _____ Printed Name <u>Tom Stratton</u> E-mail Address <u>tstratton@3rnr.com</u>
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey _____ Signature and Seal of Professional Surveyor. _____ Certificate Number _____

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2. IF STRAWN RECOMPLETION (12,350-356') IS UNSUCCESSFUL, THEN RECOMPLETE WELL IN WOLFCAMP & BONE SPRINGS

PREPARE LOCATION; SET RACKS & MATTING BOARDS FOR RIG

MIRU; KILL WELL WITH 10# BRINE

NU BOP; RELEASE PAKER & PULL TBG OOH

SET CIBP @ 12,300'; DUMP 4 SX CMT - 35'

RIH W/ TBG 10,600'; SPOT 6 BBLS ACID

PERFORATE WOLFCAMP, SELECTED INTERVALS 11,372-628' W 2JSPF
ACIDIZE & FRAC; SET COMPOSITE PLUG @ 10,750'; SPOT ACID

PERFORATE 2ND BONE SPRINGS, SELECTED INTERVALS 10,550-10,686' W 2JSPF
ACIDIZE & FRAC; SET COMPOSITE PLUG @ 10,400'; SPOT ACID

PERFORATE 2ND BONE SPRINGS, SELECTED INTERVALS 10,092-310' W 2JSPF
ACIDIZE & FRAC; SET COMPOSITE PLUG @ 9800'; SPOT ACID

PERFORATE 1ST BONE SPRINGS, SELECTED INTERVALS 9374-9614' W/ 2SPF
ACIDIZE & FRAC

FLOW BACK WELL TO TEST 1ST BONE SPRINGS; RIH W/ PACKER TO 9300' TO FLOW BACK
& TEST 1ST BONE SPRINGS 9374 - 9614'.

ONCE TEST IS COMPLETE, LOAD W/ 10# BRINE; RELEASE PKR & PULL OOH.

RIH W/ BIT AND AIR-DRILL CP @ 9800'; CIRCULATE DOWN TO 10,400'; PULL BIT OOH

RIH W/ PACKER & SET @ 10,000' TO TEST 2ND BONE SPRINGS 10,092 - 10,310'

ONCE TEST IS COMPLETE, LOAD W/ 10# BRINE; RELEASE PKR & PULL OOH.

RIH W/ BIT & AIR-DRILL CP @ 10,400'; CIRCULATE DOWN TO 10,750'; PULL BIT OOH

RIH W/ PKR & SET @ 10,450' TO TEST 2ND BONE SPRINGS 10,550-686'

ONCE TEST IS COMPLETE, LOAD W/ 10# BRINE; RELEASE PKR & PULL OOH

RIH W/ BIT & AIR DRILL CP @ 10,750'; CIRCULATE DOWN TO 11,700'; PULL BIT OOH

RIH W/ PKR & SET @ 11,275' TO TEST WOLFCAMP 11,372-628'

ONCE TEST IS COMPLETE, LOAD W/ 10# BRINE; RELEASE PKR & PULL OOH

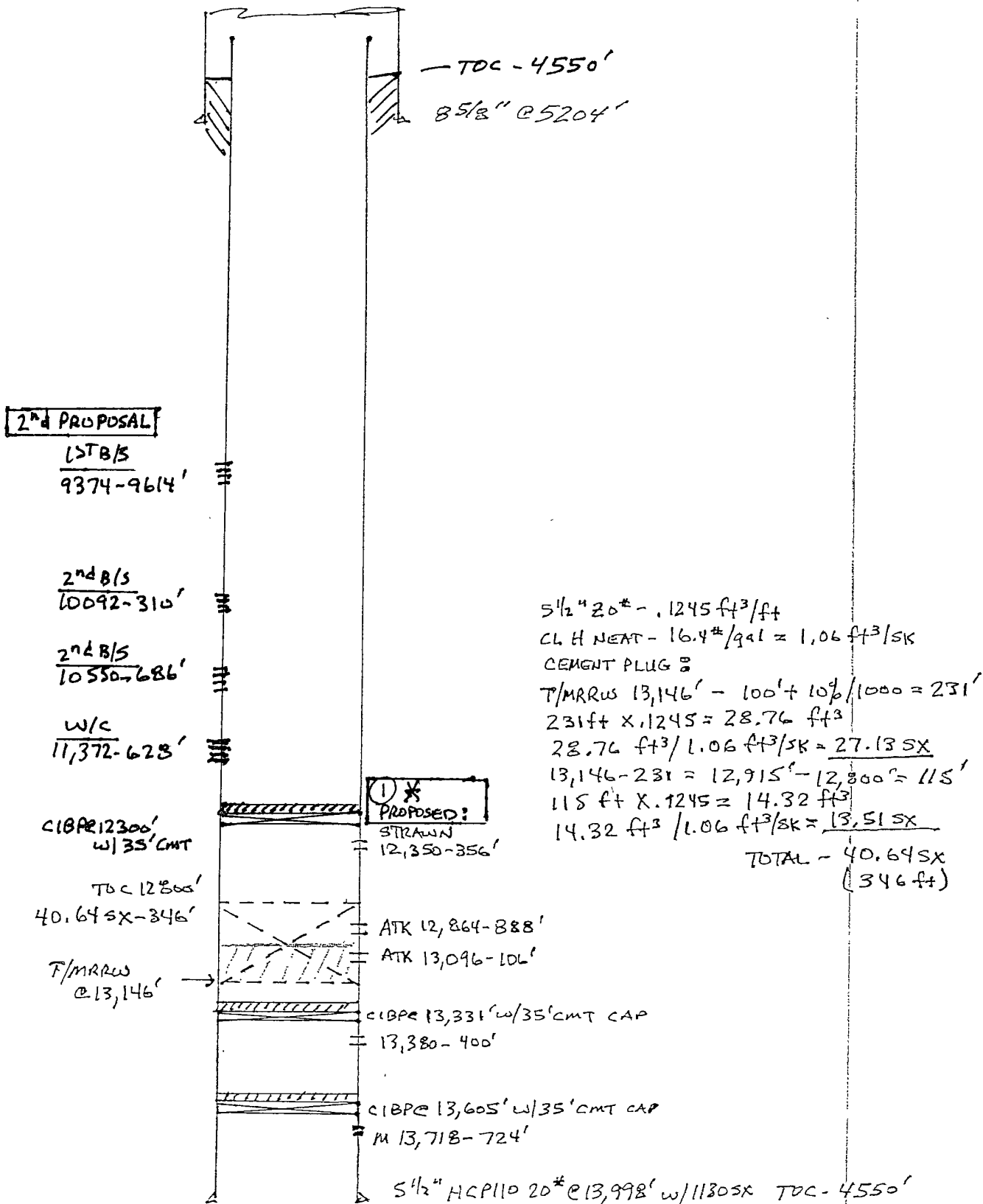
RIH W/ PRODUCTION TUBING, RODS & PUMP; SET PUMP @ 10,400'

SET 640 PUMPING UNIT W/ ELECTRIC MOTOR; HOOK UP ELECTRICITY

SET TANK BATTERY: 3 - 500 BBL OIL TANKS; 2 - 500 BBL FG TANKS
6 X 20' HEATER TREATER

RETURN WELL TO PRODUCTION

PROPOSED PLUG BACK TO: BONE SPRINGS



PROPOSED 2 - R/C IN BONE SPRINGS

WELL NAME: Bandit 15 Fed Com #2 FIELD: Teas LSE#: 038450
 STATE: New Mexico COUNTY: Lea LOCATION: 15-20S-33E 1980' FSL & 1980' FEL
 API NO: 30-025-37231 BPUD DATE: 11/23/2005 FORMATION: Morrow
 TD: 14000' PBTD: 13938' ELEVATION: 3580' GL 3807' KB (27')

PIPE RECORD								CEMENT & HOLE DATA			
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SS	WT.
Surf	16.000"	J55	BTC	75.00#	0'	1454'	34	16.500"		1200	
Inlet	11.750"	J55	BTC	54.00#	0'	3489'	81	14.750"		1900	
Inlet	8.625"	HCK55	BTC	32.00#	0'	6204'	121	10.625"		1670	
Prod	5.500"	HCP-110	LTC	20.00#	0'	13998'	321	7.675"		1130	
Tbg	2.375"	L80	EUE Bnd	4.70#	0'	13288'	424				

Remarks:
 08/11/2005: Original APD was canceled due to resubmission of application to drill or reenter (APD) Form 3160-3 on 3/11/2005, effectively canceling API #30-025-36592
 Regulatory paperwork going forward has been filed under API #30-025-37231

12/08/05: Drilled to 5210'. 11 3/4 collapsed. Stuck, backoff @ 2723'. Left 10 5/8" bit, bit sub, 8 - 6 1/2" DC. Set CR @ 2465' and sqz w/total 550 ex. Spot cmt plug @ 2465'. Dress to 2272'. Set whipstock @ 221 degrees azimuth. Cut window 2252' - 2267'
 12/28/05: Sig 1- 730 ex. unable to open DV tool. TOC 2700' per TS
 Circ-perfs @ 2600'. Sig 2, cmt 8 5/8" w/940 ex & circ. Spot 50 ex & sqz circ-perfs.
 2/16/06: Frec perfs 13718'-13724' w/16,610# UltraProp
 2/18/06: Frec perfs 13380'-13400' w/5,799# 18/40 UltraProp
 2/23/06: First Sales
 6/9/06 thru 6/22/06: Swab upper perfs (13380'-400')
 10/2/06 thru 10/4/06: Perfs (13380'-13400' & 13718'-13724') Acidize w/ 500 gal of 15% Percheck and 56 bbls produced water.
 1/21/08 thru 1/22/08: Weld on 200' of CT to btm of victy string
 Set CT hngr, slips and packoff @ 13720'. QT900 Coil Tbg Specs:
 U.134 well on dim Tns: 42280#; Burst: 16000#; Collapse: 16000#
 O.175 well on top Tns: 53180#; Burst: 24000#; Collapse: 21150#
 7/13/08: Perf Lwr. Aloka: 13,088'-13,106'
 7/25/08: Perf Up. Aloka: 12,864'-12,888' Shut In.

CAPACITIES	(bbl/ft)	(ft/bbl)
1BG: 2 3/8 in. 4.7#	.00387	258.66
CSG: 5.5 in. 20#	.22100	45.09

VOLUME BETWEEN	(bbl/ft)	(ft/bbl)
TBGRCSG:	2.375x5.5	.01670
TBGRCSG:		
CSGxHOLE:		
TBGRHOLE:		
TBGRHOLE:		

PERFORATION RECORD

DATE	TOP	BTM	ZONE	STATUS
2/13/2006	13718'	13724'	Morrow	Active
2/17/2008	13380'	13400'	Morrow	Active
7/15/2008	13098'	13108'	Aloka	Active
7/25/2008	12984'	12988'	Up. Aloka	Active
7/25/2008	12864'	12864'	Up. Aloka	Active

Tubing Detail As Of 9/01/08:

1 JT 2.375" 4.7# Tbg 31'
 1 X 10' & 1 X 4' SUB.
 408 JTS 2.375" 4.7# L80 Bnd Tbg @ 12737'
 O/O TOOL W/ 1.678" X NIPPLE @ 12762' WL DEPTH 2.375" X 5.5" ARROWSET 1X WL SET 10K PKR ELEMENT @ 12770'
 8" X 2.375" SUB
 1.678" X NIPPLE W/ 1.791" ID @ 12780'
 WL RE-ENTRY GUIDE
 EOT @ 12781'

SRG W/:

LOGS: GR CNL LDT, DLL/MSFL, RFT's, SWC's

LANDMAN:

R. Bures

GEOLOGIST:

H. Johnson

TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift (in)	Collapse (psi)	Burst (psi)
16" J55 BTC 75#	15.124	14.938	1,020	2,630
11.75" J55 BTC 64#	10.880	10.724	2,070	3,560
8.625" HCK55 BTC 32#	7.921	7.795	4,130	3,930
5.5" HCP-110 LTC 20#	4.778	4.653	11,080	12,640
2.375" L80 EUE Bnd 4.7#	1.995	1.901	11,780	15,400

* Safety Factor Not Included

TOPS:

Yates - 3267'
 Capitan - 3800'
 Delaware - 5060'
 Bone Spring - 6300'
 Strawn - 12330'
 Aloka - 12610'
 Morrow - 13185'

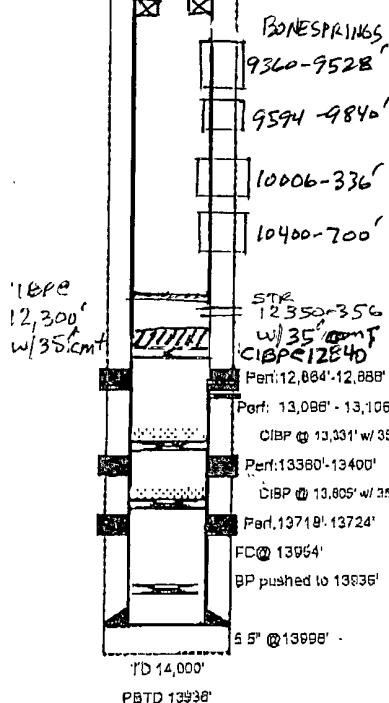
PREPARED BY: R. M. Burditt

DATE: 2/28/2008

Updated: 11/23/2010 GLS

OFFICE: (432) 663-7053

FAX: (432) 668-8399



1ST BONE SPRING PERFS

TOP	BASE
9374	9376
9418	9420
9502	9504
9612	9614

2ND BONE SPRING PERFS

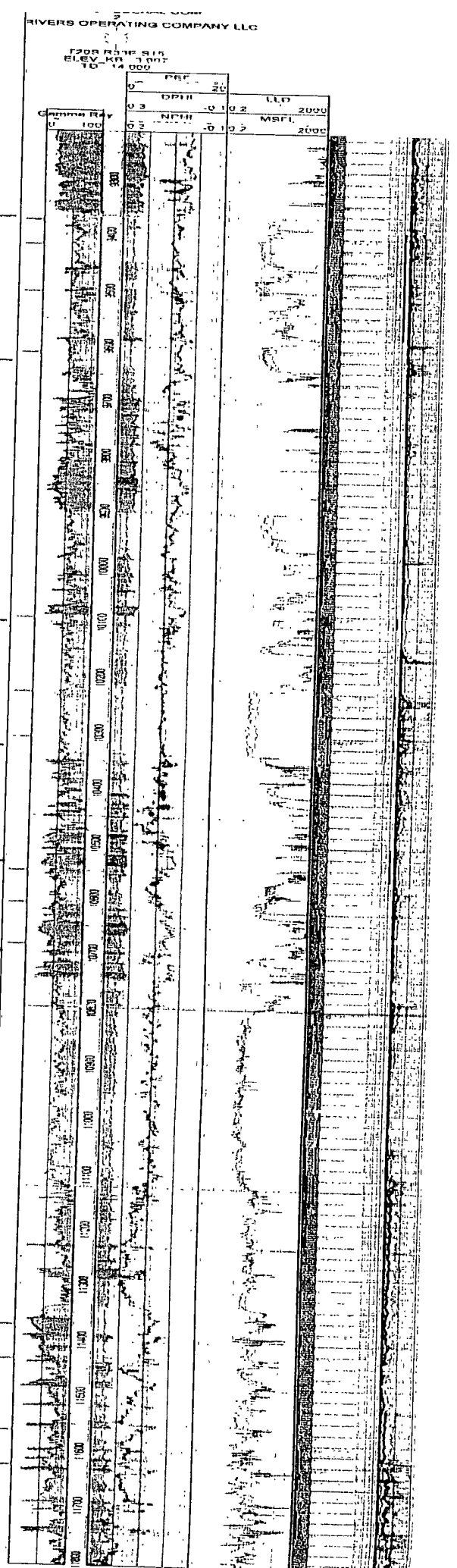
TOP	BASE
10092	10094
10226	10228
10308	10310

2ND BONE SPRING PERFS

TOP	BASE
10550	10552
10608	10610
10684	10686

WOLFCAMP PERFS

TOP	BASE
11372	11374
11434	11436
11562	11564
11626	11628



BANDIT 18 FEDERAL OOM
 COMP DATE 02/02/2011
 11/11/11
 11/11/11
 11/11/11

Bandit 15 Federal Com #2
Three Rivers Operating Company
30-025-37231
August 22, 2011
Conditions of Approval

Summary of Current Status:

- Vertical Well, TD 13998', PBTD 13296'
- Top Morrow 13165', Top Atoka 12610'
- Recompleted in the Strawn Formation.
- Top Strawn at 12,330'
- Top Bone Springs 8300'
- Top Delaware at 5080'

Requests:

1. Three Rivers requests to test the Wolfcamp and Bone Springs if the current Strawn completion is not economical.

Conditions of Approval:

Notification: Contact the appropriate BLM office at least 24 hours prior to commencing of any plugback operations and for witness requirements.

☒ **Lea County**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

Surface disturbance not to exceed originally approved pad without prior approval.
Closed Loop System to be used.

A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

- | | |
|--------------------|---|
| Step 1. | OK, with requirement to install and test BOP per Onshore Order #2.3.A. |
| Step 2. | OK. |
| Step 2a. | Mud laden fluid shall be circulated into the interval above PBTD prior to setting the CIBP with cement at 12300'. (Onshore Order 2.III.G.9) |
| Step 3. | OK. |
| Step 3a. | BLM to witness tag of new PBTD at approximately 12265'. |
| Step 3b. | Pressure test of casing shall comply with Onshore Order 2.III.B.1.h. |
| Steps 4-11. | OK. |
| Step 12. | OK. Maintain PBTD at approximately 12265'. |

Step 13. OK. The original and four copies each of the subsequent Completion Sundry 3160-5 and the Well Completion Report, Form 3160-4, detailing work are to be submitted within 30 days of well completion, even when the well is a dry hole. The date the well is placed on production and the well test data are to be included in these reports.

In the event that an Annuli Survey is done, the measured pressures (if any) and the observed effluents (if any), should be reported to the BLM, with the amounts of any H₂S or CO₂ also reported.

TMM 08/22/2011