

DATE IN <u>1-24-12</u>	SUSPENSE	ENGINEER <u>WVJ</u>	LOGGED IN <u>1-24-12</u>	TYPE <u>DHC</u>	APP NO.
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PTG-W

*Wanted on New
C-102*

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



3 Rivers Op. Co.

272295

Bandit 15 Fed Com #2

ADMINISTRATIVE APPLICATION CHECKLIST *30-025-37231*

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

[D] Other: Specify _____

J-15-205-33E

Fed/Lea

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

_____ Print or Type Name	_____ Signature	_____ Title	_____ Date
_____ e-mail Address			

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1080 Rio Brazos Road, A/Lee, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

THREE RIVERS OPERATING COMPANY, LLC 1122 S. CAPITAL OF TX HWY., #325, AUSTIN, TX 78746
Operator Address
BANDIT 15 FEDERAL COM #002 J-15-20S-33E LEA
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 272295 Property Code 309210 API No. 30-025-37231 Lease Type: Federal State Fee

DHC-4504

RECEIVED
2012 JAN 16 9 16 AM
1079

R-11P
PO # Sh?

DATA ELEMENT	UPPER ZONE <i>UNDERS</i>	INTERMEDIATE ZONE	LOWER ZONE <i>UNDERS</i>
Pool Name	TEAS; BONE SPRINGS		TEAS; WOLFCAMP
Pool Code	58960		58980
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9374' - 10686'		11372' - 11628'
Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38		42
Producing, Shut-In or New Zone	PRODUCING		PRODUCING
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 01/11/2012 Rates: 66 / 25 / 252	Date: Rates:	Date: 01/12/2012 Rates: 24 / 15 / 36
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 73 % Gas 62.5 %	Oil % Gas %	Oil 27 % Gas 37.5 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
Are all produced fluids from all commingled zones compatible with each other? Yes No
Will commingling decrease the value of production? Yes No
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? N/A Yes No
NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.) NEW COMPLETION - 12/2011
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *[Signature]* TITLE OPERATIONS MANAGER DATE 01/23/2012

TYPE OR PRINT NAME TOM STRATTON TELEPHONE NO. (512) 706-9849

E-MAIL ADDRESS tstratton@3rnr.com

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, Artec, 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 30-025-37231	² Pool Code 58960	³ Pool Name Teas; Pearl (East) Bone Spring
⁴ Property Code 33532	⁵ Property Name Bandit 15 Federal	
⁷ OGRID No. 272295	⁸ Operator Name Three Rivers Operating Co, LLC	⁶ Well Number 2
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	1980	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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p>Signature: <u>Tom Stratton</u> Date: _____</p> <p>Printed Name: <u>Tom Stratton</u></p> <p>E-mail Address: <u>tstratton@3rnr.com</u></p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number: _____</p>

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, January 25, 2012 4:33 PM
To: 'stratton@3mr.com'
Cc: Mull, Donna, EMNRD; Ezeanyim, Richard, EMNRD
Subject: DHC application from Three Rivers Operating Company, LLC: Bandit 15 Federal Com #2 30-025-37231

Hello Tom,

The Teas-Wolfcamp Pool is spaced on statewide rules for oil wells – 40 acre spacing and proration units.

The C-102 form sent with this application shows 320 acres as the spacing.

Please type out another C-102 and you could scan and email a copy to me so I can finish your Downhole Commingle permit – and send the original to Hobbs district.

Hope your day is going well,

Regards,

William V Jones, P.E.
Engineering. Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



District I
1625 N. French Dr., Hobbs, NM 88240
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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 58980	³ Pool Name TEAS; WOLF CAMP
⁴ Property Code 309210	⁵ Property Name BANDIT 15 FEDERAL COM	
⁷ OGRID No. 272295	⁶ Well Number 2	
⁸ Operator Name THREE RIVERS OPERATING CO., LLC		⁹ Elevation 3580' GL

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
J	15	20S	33E		1980	SOUTH	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

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 	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>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></p> <p>Signature: Date: 02/08/12</p> <p>TOM STRATTON Printed Name</p> <p>tstratton@3rnr.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

New Mexico Oil Conservation Division, District I
 1625 N. French Drive
 Hobbs, NM 88240

Form 3160-5
 (June 1990)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 Budget Bureau No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Gas
 Well Well Other

2. Name of Operator
SAMSON RESOURCES

3. Address and Telephone No.
TWO WEST SECOND STREET, TULSA, OK 74103-3103 (918) 583-1791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface: 1,980' FSL & 1,980' FEL, Sec 15-20S-33E

5. Lease Designation and Serial No.
NM-13279

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Bandit 15 Federal Com #2

9. API Well No.
30-025-37231

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Lea, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

Intermediate Casing (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Abandon hole section from 2,750 to 5,200'. Squeeze 550 SXS Halliburton Premium Plus Cement through EZSV set at 2,750'. Set cement plug to from 2,750 to 2,300' and sidetrack from 2,300' TVD to 5,200' TVD (10.625" hole). Run and cement to surface 32# HCK-55 8.625" casing (two stage cement job-DVT @ 3,500' TVD). Pump 190 sacks Interfill C & 260 sacks premium plus (stage 1) and 300 sacks Interfill C & 50 sacks Premium Plus (stage 2).

APPROVED
 DEC 14 2005
 GARY GOURLEY
 PETROLEUM ENGINEER

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

Signed Todd Wiley Title Drilling Engineer Date December 11, 2005

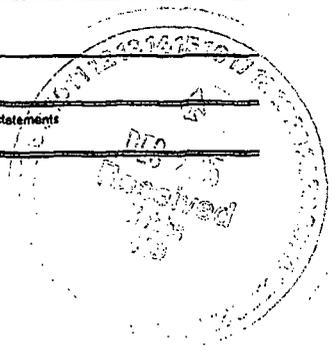
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side



OCD-HOBBS

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

RECEIVED

JAN 07 2011

54 Use Serial No.

NM13279

6 If Indian, Allottee or Tribe Name

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

2. Name of Operator
Samson Resources Company

3a. Address
200 N Loraine Ste 1010
Midland, TX 79701

3b. Phone No. (include area code)
432-683-7063

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter J 1980' FSL & 1980' FEL
Sec 15 T20S R33E

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

8. Well Name and No.
Bandit 15 Fed Corn #2

9. API Well No.
30-025-37231

10. Field and Pool or Exploratory Area

Teas, Penn

11. Country or Parish, State
Lea County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 must 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 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.)

The subsequent sundry to shut-in was unintentionally sent to the OCD instead of the BLM. We respectfully apologize for that mistake. We are attaching a copy of that sundry that was filed from July 2008. However, we now propose to temporarily abandon this well. The procedure to TA this well is as follows:

Set blanking plug in on/off tool.
RIs on/off tool. POH w/tbg.
Set CIBP @ 12750'.
Press test casing to 500 psi.
Evaluate well for recompletion.

DENIED: Failure to provide justification that well is capable of producing in paying quantities as per 43 CFR 3162.3-4(a). Submit NOI to recomplete well or plans to P&A well within 30 days.

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

KENNETH KRAWIETZ

Title OPERATIONS MANAGER

Signature

Date 11/23/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

DENIED

/s/ JD Whitlock Jr.

Title LDET

Date 1/5/11

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 CFO

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.

(Instructions on page 2)

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 SPUD DATE: 11/23/2005 FORMATION: Morrow
 TD: 14000' PBTD: 13936' ELEVATION: 3580' GL, 3607' KB (27')

PIPE RECORD								CEMENT & HOLE DATA			
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.
Surf	16.000"	J55	BTC	75.00#	0'	1454'	34	18.500"		1200	
Inter	11.750"	J55	BTC	54.00#	0'	3489'	81	14.750"		1900	
Inter	8.625"	HCK55	BTC	32.00#	0'	5204'	121	10.625"		1670	0'-28'
Prod	5.500"	HCP-110	LTC	20.00#	0'	13998'	321	7.875"		1130	
Tbg	2.375"	L80	EUE 8rd	4.70#	0'	13298'	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

CAPACITIES		
	(bbl/ft)	(ft/bbl)
TBG: 2.375 in. 4.7#	.00387	258.65
CSG: 5.5 in. 20#	.22100	45.09

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 @ 2495' and sqz w/total 550 sx. Spot cmt plug @ 2465'. Dress to 2272'. Set whipstock @ 221 degrees azimuth. Cut window 2252' - 2267'.

VOLUME BETWEEN		
	(bbl/ft)	(ft/bbl)
TBGxCSG: 2.375x5.5	.01670	59.89
TBGxCSG:		
CSGxHOLE:		
TBGxHOLE:		
TBGxHOLE:		

12/26/05: Stg 1- 730 sx, unable to open DV tool. TOC 2700' per TS
 Circ-perfs @ 2600'. Stg 2. cmt 8 5/8" w/940 sx & circ. Spot 50 sx & sqz circ-perfs.

2/16/06: Frac perfs 13718'-13724' w/16,610# UltraProp

2/18/06: Frac perfs 13380'-13400' w/65,799# 18/40 UltraProp

2/25/06: 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% Fercheck and 56 bbls produced water.

1/21/08 thru 1/22/08: Weld on 260' of CT to btm of vclty string

Set CT hngr, slips and packoff @ 13720'. QT900 Coil Tbg Specs:

0.134 wall on btm Tns: 42280#; Burst: 16000#; Collapse: 16000#

0.175 wall on top Tns: 53190#; Burst: 24000#; Collapse: 21150#

7/15/08: Perf Lwr. Atoka: 13,096'-13106'

7/25/08: Perf Up. Atoka: 12,864'-12,888' Shut in.

PERFORATION RECORD

DATE	TOP	BTM	ZONE	STATUS
2/13/2006	13718'	13724'	Morrow	Active
2/17/2006	13380'	13400'	Morrow	Active
7/15/2008	13096'	13106'	Atoka	Active
7/25/2008	12884'	12888'	Up. Atoka	Active
7/25/2008	12864'	12884'	Up. Atoka	Active

Tubing Detail As Of 8/01/08:

1 JT 2.375" 4.7# TBG 31'
 1 X 10' & 1 X 4' SUB.
 406 JTS 2.375" 4.7# L80 8rd TBG @ 12737'
 O/O TOOL W/ 1.875" X NIPPLE @ 12762' WL DEPTH 2.375" X 5.5" ARROWSET 1X WL SET 10K PKR ELEMENT @ 12770'
 8' X 2.375" SUB
 1.875" XN NIPPLE W/ 1.791" ID @ 12780'
 WL RE-ENTRY GUIDE
 EOT @ 12781'

SRC W/%:

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

LANDMAN:

R. Buress

GEOLOGIST:

R. Johnson

TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift (in)	Collapse* (psi)	Burst* (psi)
16" J55 BTC 75#	15.124	14.936	1,020	2,630
11.75" J55 BTC 54#	10.880	10.724	2,070	3,560
8.625" HCK55 BTC 32#	7.921	7.796	4,130	3,930
5.5" HCP-110 LTC 20#	4.778	4.653	11,080	12,640
2.375" L80 EUE 8rd 4.7#	1.995	1.901	11,780	15,400

* Safety Factor Not Included

16" @ 1468'

Perfs @ 2600'

TOC @ 2700'/TS

11.75" @ 3489'

DV/ECP @ 3548'

TOC @ 4550' by CBL

8.625 @ 5204'

MJ @ 9330'

Set pkr @ 12770'

Perf: 12,864'-12,888'

Perf: 13,096' - 13,106' MJ @ 12901'

CIBP @ 13,331' w/ 35' cmt cap

Perf: 13380'-13400'

CIBP @ 13,605' w/ 35' cmt cap

Perf: 13718'-13724'

FC @ 13954'

BP pushed to 13936'

5.5" @ 13998'

TOPS:

Yates - 3267'
 Capitan - 3600'
 Delaware - 5080'
 Bone Spring - 8300'
 Strawn - 12330'
 Atoka - 12610'
 Morrow - 13165'

TD 14,000'

PBTD 13936'

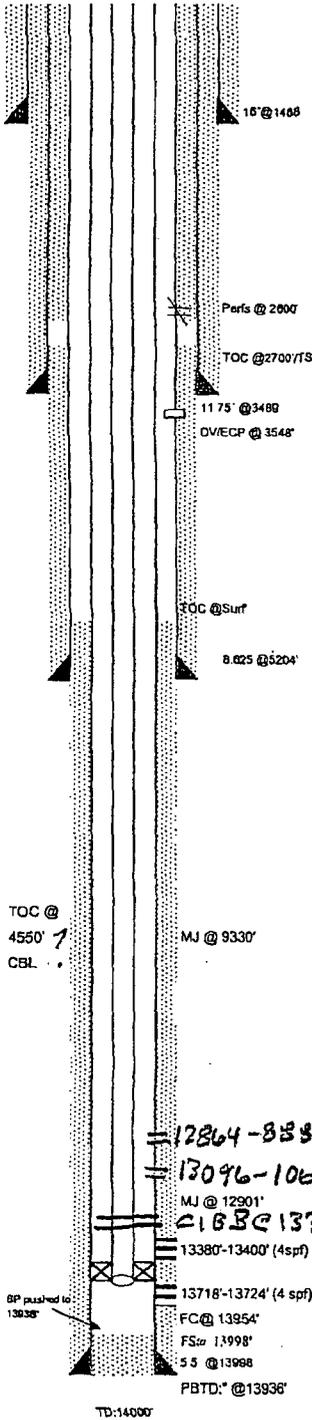
PREPARED BY: R. M. Burditt

DATE: 2/28/2006

Updated: 11/23/2010 GLS

OFFICE: (432) 683-7063

FAX: (432) 686-6399



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 SPUD DATE: 11/23/2005 FORMATION: Morrow
 TD: 14000' PBTD: 13936' ELEVATION: 3580' GL, 3607' KB (27)

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	18.000"	J55	BTC	75.00#	0'	1454'	34	18.500"		1200		Surf
Inter	11.750"	J55	BTC	54.00#	0'	3489'	81	14.750"		1900		Surf
Inter	8.625"	HCK55	BTC	32.00#	0'	5204'	121	10.625"		1670		0-2600, 2700-5204
Prod	5.500"	HCP-110	LTC	20.00#	0'	13998'	321	7.875"		1130		4550' (CBL)
Tbg	2.375"	L80	EUE Brd	4.70#	0'	13298'	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 @ 2495' and sqz w/total 550 sx. Spot cmt plug @ 2485'. Dress to 2272'. Set whipstock @ 221 degrees azimuth. Cut window 2252' - 2267'.
 12/26/05: Stg 1- 730 sx, unable to open DV tool TOC 2700' per TS
 Circ-perfs @ 2600' Stg 2, cmt 8 5/8" w/940 sx & circ Spot 50 sx & sqz circ-perfs.
 2/16/06: Frac perfs 13718'-13724' w/16,610# UltraProp
 2/18/06: Frac perfs 13380'-13400' w/65,799# 18/40 UltraProp
 2/25/06: 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 gals of 15% Fercheck and 56 bbls produced water.

CAPACITIES	(bb/ft)	(ft/bbl)	(cfft)
TBG: 2.375 in. 4.7#	.00387	258.65	.02171
CSG: 5.5 in 20#	22100	45.09	12450

VOLUME BETWEEN	(bbl/ft)	(ft/bbl)	(cfft)
TBG-CSG: 2.375 to 5	01670	59.89	09370
TBG-CSG:			
CSG-HOLE:			
TBG-HOLE:			

PERFORATION RECORD					
DATE	TOP	BTM	ZONE	STATUS	SPF
2/13/2006	13718'	13724'	Morrow	Active	4
2/17/2006	13380'	13400'	Morrow	Active	4

TOPS:
 Yates - 3267'
 Capitan - 3600'
 Delaware - 5080'
 Dome Spring - 8300'
 Strawn - 12330'
 Atoka - 12610'
 Morrow - 13165'

Tubing Detail As Of 3/21/06:
 420 jis 2 3/8" 4.70# 8rd L-80 tbg
 2-20" Blast Its
 Oits 1 87" sliding sleeve
 6 jis L-80 2 3/8" tbg
 O/O tool w/1.87 X Profile 51/2X23/8
 Seal Assembly 3.0"
 5 1/2" 10K ArrowDrill pkr @ 13,610' with 8' sub.
 1 87" XN-nipple
 2 3/8" pumpout plug
 5.5" 624'

SRC WIX:
 LOGS: GR CNL LDT, DL/MSFL, RFT's, SWC's

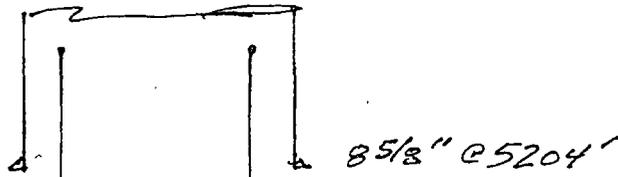
LANDMAN:	R. Bures	GEOLOGIST:	R. Johnson		
TUBULAR GOODS PERFORMANCE					
Material	ID (in)	Drift (in)	Collapse* (psi)	Burst* (psi)	Tensile** (lbs)
16" J55 ETC 75#	15.124	14.936	1,020	2,630	1,200,000
11.75" J55 BTC 54#	10.880	10.724	2,070	3,560	931,000
8.625" HCK55 BTC 32#	7.921	7.796	4,130	3,930	749,000
5.5" HCP-110 LTC 20#	4.778	4.653	11,080	12,640	548,000
2.375" L80 EUE Brd 4.7#	1.995	1.501	11,760	15,400	143,470

* Safety Factor Not Included

12864-858 - 50' ST
 13096-106 SWB DRY
 MJ @ 12901'
 21830-13355'

Date: 4-1-11

PROPOSED PLUG BACK TO STRAWN



$5\frac{1}{2}'' 20^* - .1245 \text{ ft}^3/\text{ft}$
 CL H NEAT - $16.4^{\#}/941 = 1.06 \text{ ft}^3/\text{SK}$
 CEMENT PLUG ☺
 $T/MRRW 13,146' - 100' + 10\% / 1000 = 231'$
 $231 \text{ ft} \times .1245 = 28.76 \text{ ft}^3$
 $28.76 \text{ ft}^3 / 1.06 \text{ ft}^3/\text{SK} = 27.13 \text{ SK}$
 $13,146 - 231 = 12,915' - 12,800' = 115'$
 $115 \text{ ft} \times .1245 = 14.32 \text{ ft}^3$
 $14.32 \text{ ft}^3 / 1.06 \text{ ft}^3/\text{SK} = 13.51 \text{ SK}$
 TOTAL - 40.64 SK
 (346 ft)

TOC 12800'
 40.64 SK - 346'

T/MRRW
 @ 13,146' →

STRAWN
 12,350-356'

ATK 12,864-888'

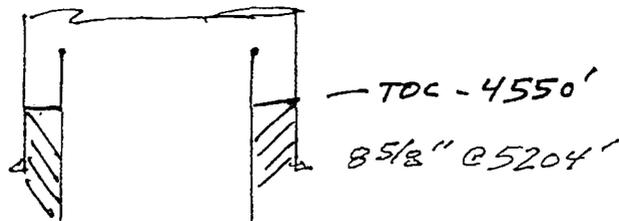
ATK 13,096-106'

CIBP @ 13,331' w/35' CMT CAP
 13,380 - 400'

CIBP @ 13,605' w/35' CMT CAP
 M 13,718-724'

$5\frac{1}{2}'' \text{ HCP110 } 20^* @ 13,998' \text{ w/1130SK TOC-4550}'$

PROPOSED PLUG BACK TO BONE SPRINGS



2nd PROPOSAL

1st B/S
9374-9614'

2nd B/S
10092-310'

2nd B/S
10550-686'

W/C
11,372-628'

CIBPE 12300'
w/ 35' CMT

TOC 12800'
40.64 SK - 346'

T/MRRW
@ 13,146'

1 *
PROPOSED:
STRAWN
12,350-356'

ATK 12,864-888'

ATK 13,096-106'

CIBPE 13,331' w/ 35' CMT CAP
13,380-400'

CIBPE 13,605' w/ 35' CMT CAP
M 13,718-724'

5 1/2" HCP 110 20" @ 13,998' w/ 1130 SK TOC - 4550'

5 1/2" 20# - .1245 ft³/ft
 CL H NEAT - 16.4#/gal = 1.06 ft³/SK
 CEMENT PLUG =
 T/MRRW 13,146' - 100' + 10% / 1000 = 231
 231 ft x .1245 = 28.76 ft³
 28.76 ft³ / 1.06 ft³/SK = 27.13 SK
 13,146 - 231 = 12,915' - 12,800' = 115'
 115 ft x .1245 = 14.32 ft³
 14.32 ft³ / 1.06 ft³/SK = 13.51 SK
TOTAL - 40.64 SK (346 ft)