

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires July 31, 2010SUNDRY 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.

RECEIVED

APR 03 2008

Case Serial No.

NM - 013860A

If Indian Allottee or tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

Bureau of Land Management
Farmington Field Office

1 Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8 Well Name and No Russell 2
2 Name of Operator BP America Production Company Attn: Cherry Hlava	9 API Well No 30-045-24050
3a. Address P.O. Box 3092 Houston, TX 77253	10 Field and Pool, or Exploratory Area Dakota, Mesaverde & Otero Chacra
3b. Phone No. (include area code) 281-366-4081	11 County or Parish, State San Juan County, New Mexico
4 Location of Well (Footage Sec. T., R., M., or Survey Description) 1275' FSL & 945' FWL SEC 24 T28N R08W SWSW	

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

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water shut-Off☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Casing Repair☐ New Construction☒ Recomplete☐ Other Tri-Mingling Request☐ Change Plans☐ Plug and Abandon☐ Water Disposal☐ Convert to Injection☐ Plug Back

- 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 recompleate 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 recompleation 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.

BP America requests permission to complete the subject well into the Chacra formations and tri-commingle production downhole with the existing Basin Dakota & Blanco Mesaverde.

Pools are Pre Approved by order R-11363: Basin Dakota (71599), Blanco Mesaverde (72319) & Otero Chacra (82329).

Interest owners are identical between the DK, MV & Chacra therefore no notification is required.

Production is proposed to be allocated based on a fixed percentage. It is our intent to isolate the Dakota & MV; complete into the Chacra; flow back to stabilize the Chacra & perform a Chacra flow test. Drill out bridge plug between the MV & CH, perform a combined stream test on MV & CH. Chacra test will be subtracted from the total and a % calculated to determine the flow rate for the MV & CH. A decline will be used for the Dakota (see attached).

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

RCVD APR 7 '08

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

Cherry Hlava

Title Regulatory Analyst

Signature *Cherry Hlava*

Date 04/01/2008

OIL CONS. DIV.
DIST. 3

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date APR 07 2008
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 USC Section 1001 and Title 43 USC 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.

NMOCD

District I
1625 N. French Dr. Hobbs NM 88240
Phone (505) 393-6161 Fax (505) 393-0720

District II

1301 W. Grand Ave., Artesia NM 88210
Phone (505) 748-1283 Fax (505) 748-9720

District III

1000 Rio Brazos Rd. Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe NM 87505
Phone (505) 476-3470 Fax (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 51714

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <i>30 045-24650</i>	2 Pool Code 82329	3 Pool Name OTERO CHACRA (GAS)
4 Property Code 998	5 Property Name RUSSELL A	6 Well No 002
7 OGRID No 778	8 Operator Name BP AMERICA PRODUCTION COMPANY	9 Elevation 6238

10. Surface Location

UL - Lot M	Section 24	Township 28N	Range 08W	Lot Idn	Feet From 1275	N/S Line S	Feet From 945	E/W Line W	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12 Dedicated Acres 160.00	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 align="center">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(s) 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>E-Signed By <i>Cherry Herrera</i> Title <i>Regulatory Analyst</i> Date <i>4-1-08</i></p>
	<p align="center">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>Surveyed By Fred Kerr Date of Survey 8/29/1979 Certificate Number 3950</p>

DISTRICT I

P O Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24050	Pool Code 71599 & 72319	Pool Name Basin Dakota & Blanco Mesaverde
Property Code 000997	Property Name Russell	Well Number 2
OGRID No 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6238' GR

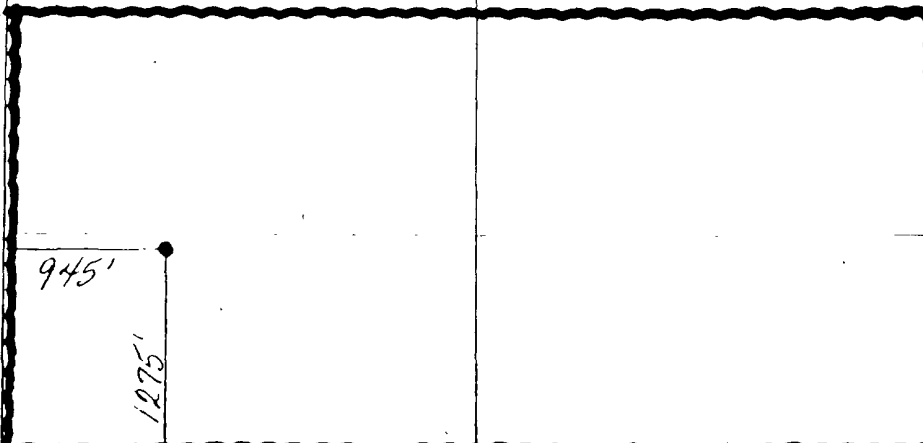
Surface Location

UL or lot no. UNIT M	Section 24	Township 28N	Range 8W	Lot. Idn	Feet from the 1275'	North/South Line SOUTH	Feet from the 945'	East/West Line WEST	County San Juan
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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
Dedicated Acreage. 320	Joint or Infill	Consolidation Code	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

	OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	Signature <i>Mary Corley</i>
	Printed Name Mary Corley
	Position Sr. Regulatory Analyst
	Date 07/06/2000
	SURVEY 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 knowledge and belief
	8/29/1979
	Date of Survey
	Signature & Seal of Professional Surveyor Fred B Kerr Jr
	Certificate No 3950

All distances must be from the outer boundaries of the Section

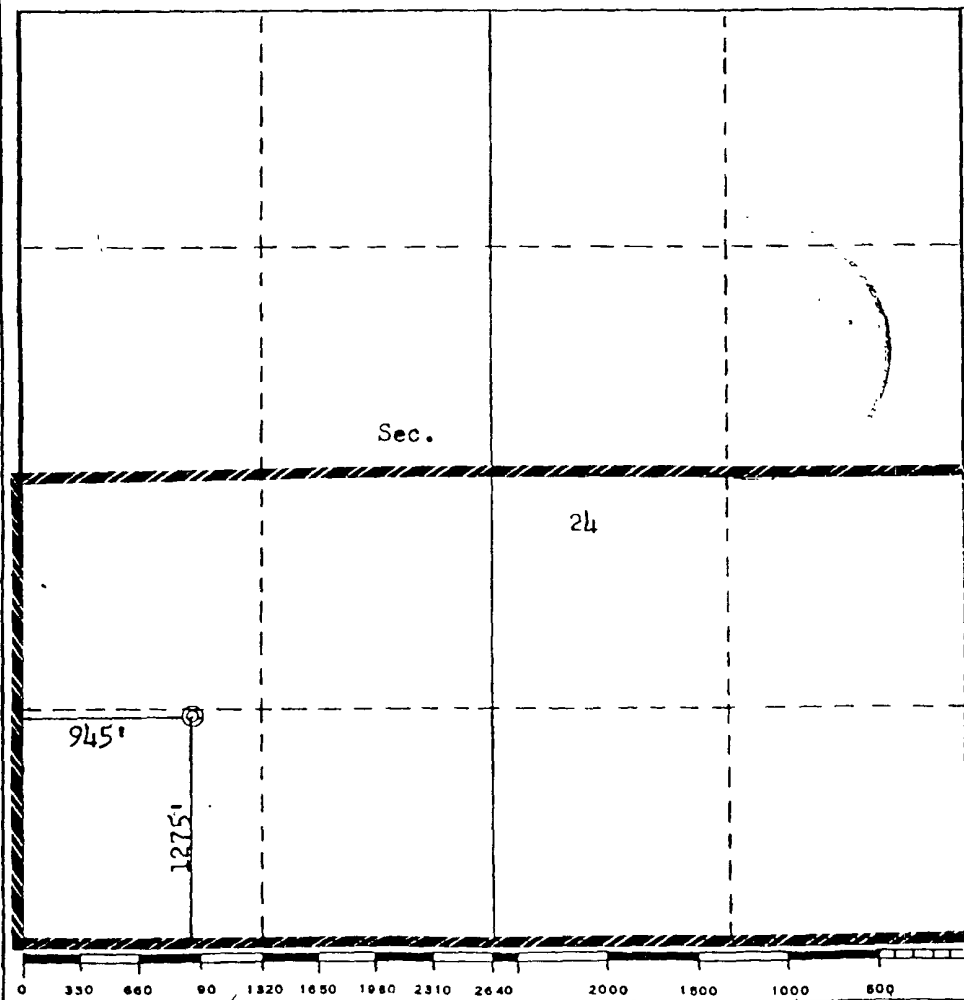
Operator TENNECO OIL COMPANY			Lease RUSSELL		Well No. 2
Unit Letter M	Section 24	Township 28N	Range 8W	County San Juan	
Actual Footage Location of Well: 1275 feet from the South line and 945 feet from the West line					
Ground Level Elev. 6238	Producing Formation Dakota		Pool Dakota Basin	Dedicated Acreage: 320.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Martin A. Thurman
Position
Staff Production Analyst
Company
Tenneco Oil Company
Date
12-4-79

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 knowledge and belief.

Date Surveyed
August 28, 1979
Registered Professional Engineer and/or Land Surveyor
Fred B. Kern, Jr.
Certificate No. 3950
E. KERR, JR.

SJ Basin Well Work Procedure

Well Name: Russell 2
Version: 1
Date: April 1, 2008
Repair Type: Recomplete
Location: T28N-R8W-Sec24 **API #:** 30-045-24050
County: San Juan
State: New Mexico **Engr:** Matt Mientka
Horizon: DK/MV/CH **ph** (281) 366-5721
 cell (806) 283-6343
 fax (281) 366-0700

Objective: Recomplete well to include Chacra formation and downhole commingle Chacra and Dakota.

1. TOH with completion.
2. Run CBL log.
3. Perforate and frac Chacra
4. Clean out to TD and land tubing.
5. Return well to production, downhole commingle Chacra and Dakota

Well History:

This well was originally drilled in 1980 by Tenneco Oil company. It was completed with 7" Production casing with a 4-1/2" liner, producing from a frac'd Dakota sand. In October, 2000, the Mesa Verfe was added with fracture stimulation in the Upper Menefee/Cliffhouse and the Lower Menefee/Point Lookout. The well currently averages 175 MCF/day for production.

The objective is to recomplete this well to include the Chacra horizon and commingle the production with the existing Dakota & Mesaverd horizon. The job scope is to perforate and fracture stimulate the Chacra formation, clean out to TD, and trimingle production after performing a 24 hour test on the Chacra. The anticipated uplift is 200 mcf/d. A CIBP will be set at 5000' to isolate the Dakota throughout the recomplete.

Procedure:

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and Scheduling to ready location for rig.

3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.
6. Blow down well. Kill with 2% KCL water ONLY if necessary.
7. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
8. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
9. Install stripping rubber, pull tubing hanger up above pipe rams, and shut pipe rams. Remove stripping rubber. Strip tubing hanger out of hole. Re-install stripping rubber.
10. TOH with 2-3/8" production tubing currently set at 7051'. Using approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH, note any signs of pitting or corrosion and please document with pictures. Strap tubing out of hole. Recover isolation plugs from tubing.
11. PU and TIH with bit and 4-1/2" scraper. Check the distance between the top of the blind rams and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. RIH and scrape pipe to PBTD (~7271'). POOH. Lay down bit and scraper.
12. Pick up CIBP and set at +/- 4200'. Pressure test bridge plug to ensure it is holding. Fill casing w/ 2% KCl. POOH.
13. RU E-line equipment. Pressure test lubricator and equipment.
14. **Log well w/ CBL and RST log from 4200' to 3154' (liner top).** Contact engineer after determining TOC in 4-1/2" liner to discuss perforation placement or need for remedial cement squeeze if cement coverage is inadequate for the pay-add or if integrity of casing appears sub-par. Contact operations geologist, Mark Durio, for final perf interval selection from the RST.
15. Replace wellhead (if needed)
16. Pressure test 7" 23# K-55 casing and 4 1/2" 10.5# K-55 liner to ~3200 psi (75% of burst is 3592 psi). Monitor outer annulus pressure closely. (To perform pressure test, RIH with tension set packer, set packer in casing just below lowest casing valve and test casing to desired pressure.)

17. Prepare for explosive operations. Follow Schlumberger Explosive SOP including radio silence, suspension of welding operations, and isolation of electrical devices from the work area. Perform Pre-job Safety Meeting to review JSA and procedures. If someone has On Star on their vehicle they cannot enter closer than 300 foot. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic device that transmits a signal.
18. RIH with **3-1/8" HEG Gun. 1 SPF, 120 Degree Phasing** w/lubricator and perforate Chacra formation.

Estimated Perforated intervals:

Chacra formation: 3703' – 3640'

NOTE: Verify final perf intervals with engineer/geologist.

POOH with perforating guns.

19. TIH w/ 3150' 2-7/8" N-80/L-80 frac string 4 1/2" x 2-7/8" packer. Configure packer assembly as 2-7/8" x 4 1/2"; 2-7/8" downhole shutoff valve; This assembly will be made up and pressure tested in the packer service shop. TIH with downhole shutoff valve in the closed position.
20. Hold Risk Assessment (JHA) meeting prior to initiating pumping services.
21. RU 10,000 psi frac isolation equipment (Stinger Isolation Tool).
22. RU test pump and pressure test tubing to 5000 psi for 10-15 minutes.
23. Relief pressure off of frac string. Open downhole valve and set packer at 3150'.
24. Pressure test 2-7/8" x 4-1/2" annulus with 500 psi.
25. RU frac equipment. **NOTE:** Frac tanks should be filled with fresh water, the KCl will be added on the fly.
26. Pressure test iron to Stinger frac valve at 5000 psi for 10 minutes. Function test treating line check valve during the prime and pressure test operation.
27. The frac is expected to pump at approximately 3000 psi. Maximum allowable treating pressure will be **3200 psi**.
28. Set stagger pump trips to **3200-3400 psi**. Function test pump trips individually.
29. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Be sure to monitor the casing annulus pressure throughout the duration of stimulation treatment.
30. Spearhead 1000 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Service Company schedule.

31. Flowback frac immediately. Flow well through choke manifold on ¼", ½" and ¾" chokes slowly increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.
32. Release packer. TOH and LD 2-7/8" frac string and packer.
33. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company).
34. TIH with 2-3/8" tubing with notched collar (muleshoe) and float check valve.
35. Clean fill to CBP set at 5000'
36. POOH with tubing and float.
37. RIH with tubing and wireline retrievable pump through plug. Hang off tubing at 3600'. Retrieve plug.
38. Flow test the Chacra for 24 hrs for regulatory, allocation, and deliverability purposes.
39. POOH with tubing.
40. TIH w/ tubing and bit for 4-1/2" liner. Drill out CBP set at 5000'. Cleanout to PBTD at 7271'. Blow well dry.
41. RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
42. Land 2-3/8" production tubing at +/- 7051' or depth determined from logs. Lock down 2-3/8" tubing hanger and bonnet.
43. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to surface or above the hanger. Check all casing string for pressure. **The operations of removal of BOP's and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.**
44. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
45. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs. Set tubing stop for plunger and communicate plunger equipment status to IC room personnel.
46. RD WL unit.
47. Test well for air. Hook up well to surface facilities and return well to production and downhole commingle Mesa Verde and Dakota.

Wellbore Diagram:



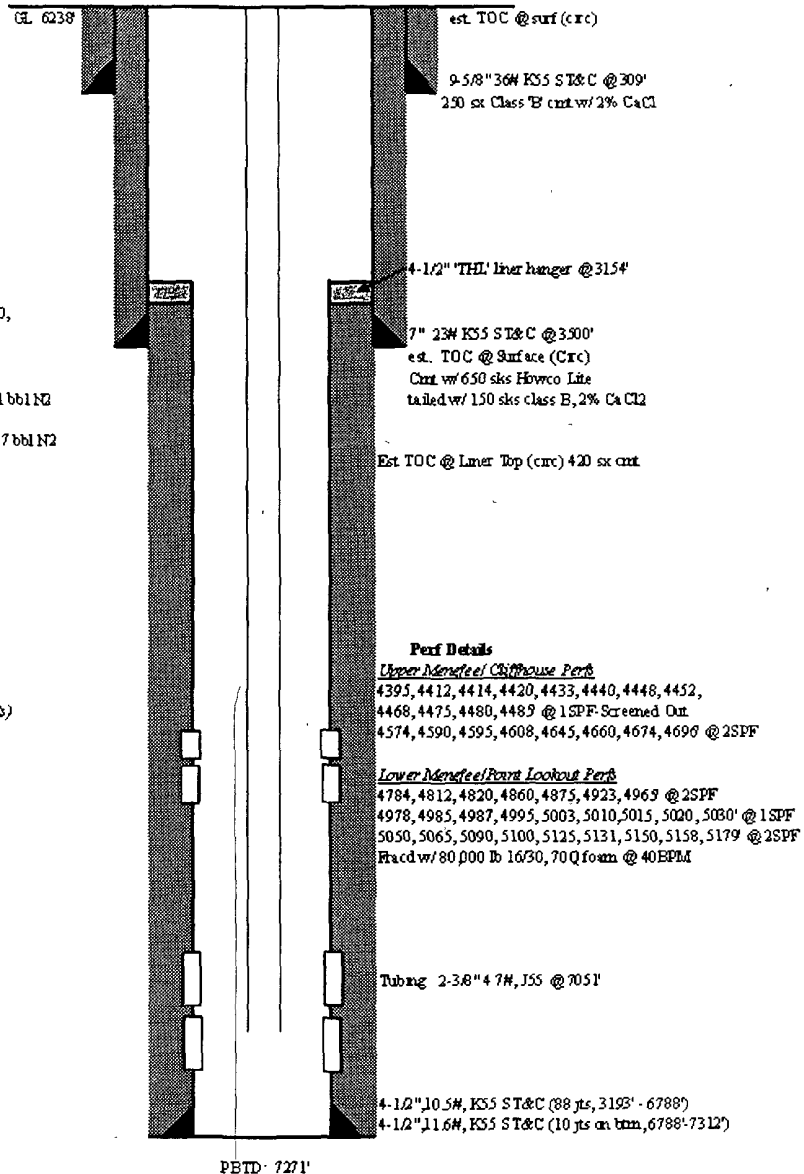
Russell #2

Sec 24, T28N, R8W

API: 30-045-24050

1275 FSL 945 FWL

Unit M, Sec 24, T-28-N, R-08-W



History:

Orig. Completed in 9/80

- 6-1/4" OH drilled with air without problems
- 1500 gal 15% HCL w/perft ball
- Frac DK w/80,000# 20/40 25,500# 10/20, 80000# 130# XL

ADV recompletes 10/00

- Stage 1: 4784' - 5179' Frac w/80,000#, 801 bbl N2 Run
- Stage 2: 4395' - 4696' Frac w/70,000#, 697 bbl N2 Run

12/6/05 Ongoing H2S problems installed continuous H2S injector

Mesa Verde Perforations 10/00

SLB Prospector select fire (See Perf Details)

- 4395' - 4489' (12 shots) 1 spf
- 4574' - 4696' (16 shots) 2 spf
- 4784' - 5030' (14 shots) 2 spf
- 4978' - 5030' (9 shots) 1 spf
- 5050' - 5179' (16 shots) 2 spf

Original Dakota Perforations 9/80

- 7018' - 7034' 2 spf
- 7104' - 7110' 2 spf
- 7142' - 7146' 2 spf
- 7174' - 7178' 2 spf
- 7194' - 7200' 2 spf
- 7206' - 7212' 2 spf
- 7236' - 7246' 2 spf

2008 Plan

- 1 TOH with tubing
- 2 Place CIEP above MV and DK
- 3 Perf and Frac Chacra Sand
- 4 Cleanout liner to PBTD
- 5 Land tubing, produce triangled

Notes

- reversed 6 bbls cnt off liner top
- Good circulation throughout cnt job
- Plunger not running/liquid loading
- Compressor on well
- No known bradenhead or casing leak issues

updated mm 3/18/2008

Future Dakota Production Decline Estimate (Monthly Factor .0029)

Month	Gas Volume
Jan-2000	35
Feb-2000	73
Mar-2000	63
Apr-2000	59
May-2000	56
Jun-2000	52
Jul-2000	50
Aug-2000	50
Sep-2000	50
Oct-2000	50
Nov-2000	50
Dec-2000	50
Jan-2001	50
Feb-2001	49
Mar-2001	49
Apr-2001	49
May-2001	49
Jun-2001	49
Jul-2001	49
Aug-2001	49
Sep-2001	48
Oct-2001	48
Nov-2001	48
Dec-2001	48
Jan-2002	48
Feb-2002	48
Mar-2002	48
Apr-2002	47
May-2002	47
Jun-2002	47
Jul-2002	47
Aug-2002	47
Sep-2002	47
Oct-2002	47
Nov-2002	46
Dec-2002	46

Month	Gas Volume
Jan-2003	46
Feb-2003	46
Mar-2003	46
Apr-2003	46
May-2003	46
Jun-2003	46
Jul-2003	46
Aug-2003	46
Sep-2003	45
Oct-2003	45
Nov-2003	45
Dec-2003	45
Jan-2004	45
Feb-2004	45
Mar-2004	45
Apr-2004	45
May-2004	45
Jun-2004	45
Jul-2004	45
Aug-2004	44
Sep-2004	44
Oct-2004	44
Nov-2004	44
Dec-2004	44
Jan-2005	44
Feb-2005	44
Mar-2005	44
Apr-2005	44
May-2005	44
Jun-2005	44
Jul-2005	43
Aug-2005	43
Sep-2005	43
Oct-2005	43
Nov-2005	43
Dec-2005	43

Month	Gas Volume
Jan-2006	43
Feb-2006	43
Mar-2006	43
Apr-2006	43
May-2006	42
Jun-2006	42
Jul-2006	42
Aug-2006	42
Sep-2006	42
Oct-2006	42
Nov-2006	42
Dec-2006	42
Jan-2007	41
Feb-2007	41
Mar-2007	41
Apr-2007	41
May-2007	41
Jun-2007	41
Jul-2007	41
Aug-2007	41
Sep-2007	40
Oct-2007	40
Nov-2007	40
Dec-2007	40
Jan-2008	40
Feb-2008	40
Mar-2008	40
Apr-2008	40
May-2008	39
Jun-2008	39
Jul-2008	39
Aug-2008	39
Sep-2008	39
Oct-2008	39
Nov-2008	39
Dec-2008	39

Month	Gas Volume
Jan-2009	39
Feb-2009	38
Mar-2009	38
Apr-2009	38
May-2009	38
Jun-2009	38
Jul-2009	38
Aug-2009	38
Sep-2009	38
Oct-2009	38
Nov-2009	37
Dec-2009	37
Jan-2010	37
Feb-2010	37
Mar-2010	37
Apr-2010	37
May-2010	37
Jun-2010	37
Jul-2010	37
Aug-2010	36
Sep-2010	36
Oct-2010	36
Nov-2010	36
Dec-2010	36
Jan-2011	36
Feb-2011	36
Mar-2011	36
Apr-2011	36
May-2011	35
Jun-2011	35
Jul-2011	35
Aug-2011	35
Sep-2011	35
Oct-2011	35
Nov-2011	35
Dec-2011	35

Future Dakota Production Decline Estimate (Monthly Factor .0029)

Month	Gas Volume
Jan-2012	35
Feb-2012	34
Mar-2012	34
Apr-2012	34
May-2012	34
Jun-2012	34
Jul-2012	34
Aug-2012	34
Sep-2012	34
Oct-2012	34
Nov-2012	34
Dec-2012	33
Jan-2013	33
Feb-2013	33
Mar-2013	33
Apr-2013	33
May-2013	33
Jun-2013	33
Jul-2013	33
Aug-2013	33
Sep-2013	33
Oct-2013	32
Nov-2013	32
Dec-2013	32
Jan-2014	32
Feb-2014	32
Mar-2014	32
Apr-2014	32
May-2014	32
Jun-2014	32
Jul-2014	32
Aug-2014	32
Sep-2014	31
Oct-2014	31
Nov-2014	31
Dec-2014	31

Month	Gas Volume
Jan-2015	31
Feb-2015	31
Mar-2015	31
Apr-2015	31
May-2015	31
Jun-2015	31
Jul-2015	30
Aug-2015	30
Sep-2015	30
Oct-2015	30
Nov-2015	30
Dec-2015	30
Jan-2016	30
Feb-2016	30
Mar-2016	30
Apr-2016	30
May-2016	30
Jun-2016	29
Jul-2016	29
Aug-2016	29
Sep-2016	29
Oct-2016	29
Nov-2016	29
Dec-2016	29
Jan-2017	29
Feb-2017	29
Mar-2017	29
Apr-2017	29
May-2017	29
Jun-2017	28
Jul-2017	28
Aug-2017	28
Sep-2017	28
Oct-2017	28
Nov-2017	28
Dec-2017	28

Month	Gas Volume
Jan-2018	28
Feb-2018	28
Mar-2018	28
Apr-2018	27
May-2018	27
Jun-2018	27
Jul-2018	27
Aug-2018	27
Sep-2018	27
Oct-2018	27
Nov-2018	26
Dec-2018	26
Jan-2019	26
Feb-2019	26
Mar-2019	26
Apr-2019	26
May-2019	26
Jun-2019	26
Jul-2019	25
Aug-2019	25
Sep-2019	25
Oct-2019	25
Nov-2019	25
Dec-2019	25
Jan-2020	25
Feb-2020	25
Mar-2020	24
Apr-2020	24
May-2020	24
Jun-2020	24
Jul-2020	24
Aug-2020	24
Sep-2020	24
Oct-2020	24
Nov-2020	23
Dec-2020	23

Month	Gas Volume
Jan-2021	23
Feb-2021	23
Mar-2021	23
Apr-2021	23
May-2021	23
Jun-2021	23
Jul-2021	23
Aug-2021	22
Sep-2021	22
Oct-2021	22
Nov-2021	22
Dec-2021	22
Jan-2022	22
Feb-2022	22
Mar-2022	22
Apr-2022	22
May-2022	21
Jun-2022	21
Jul-2022	21
Aug-2022	21
Sep-2022	21
Oct-2022	21
Nov-2022	21
Dec-2022	21
Jan-2023	21
Feb-2023	20
Mar-2023	20
Apr-2023	20
May-2023	20
Jun-2023	20
Jul-2023	20
Aug-2023	20
Sep-2023	20
Oct-2023	20
Nov-2023	20
Dec-2023	19

Future Dakota Production Decline Estimate (Monthly Factor .0029)

Month	Gas Volume
Jan-2024	19
Feb-2024	19
Mar-2024	19
Apr-2024	19
May-2024	19
Jun-2024	19
Jul-2024	19
Aug-2024	19
Sep-2024	19
Oct-2024	19
Nov-2024	18
Dec-2024	18
Jan-2025	18
Feb-2025	18
Mar-2025	18
Apr-2025	18
May-2025	18
Jun-2025	18
Jul-2025	18
Aug-2025	18
Sep-2025	18
Oct-2025	17
Nov-2025	17
Dec-2025	17
Jan-2026	17
Feb-2026	17
Mar-2026	17
Apr-2026	17
May-2026	17
Jun-2026	17
Jul-2026	17
Aug-2026	17
Sep-2026	17
Oct-2026	16
Nov-2026	16
Dec-2026	16

Month	Gas Volume
Jan-2027	16
Feb-2027	16
Mar-2027	16
Apr-2027	16
May-2027	16
Jun-2027	16
Jul-2027	16
Aug-2027	16
Sep-2027	16
Oct-2027	15
Nov-2027	15
Dec-2027	15
Jan-2028	15
Feb-2028	15
Mar-2028	15
Apr-2028	15
May-2028	15
Jun-2028	15
Jul-2028	15
Aug-2028	15
Sep-2028	15
Oct-2028	15
Nov-2028	14
Dec-2028	14
Jan-2029	14
Feb-2029	14
Mar-2029	14
Apr-2029	14
May-2029	14
Jun-2029	14
Jul-2029	14
Aug-2029	14
Sep-2029	14
Oct-2029	14
Nov-2029	14
Dec-2029	14

Month	Gas Volume
Jan-2030	14
Feb-2030	13
Mar-2030	13
Apr-2030	13
May-2030	13
Jun-2030	13
Jul-2030	13
Aug-2030	13
Sep-2030	13
Oct-2030	13
Nov-2030	13
Dec-2030	13
Jan-2031	13
Feb-2031	13
Mar-2031	13
Apr-2031	12
May-2031	12
Jun-2031	12
Jul-2031	12
Aug-2031	12
Sep-2031	12
Oct-2031	12
Nov-2031	12
Dec-2031	12
Jan-2032	12
Feb-2032	12
Mar-2032	12
Apr-2032	12
May-2032	12
Jun-2032	12
Jul-2032	12
Aug-2032	12
Sep-2032	11
Oct-2032	11
Nov-2032	11
Dec-2032	11

Month	Gas Volume
Jan-2033	11
Feb-2033	11
Mar-2033	11
Apr-2033	11
May-2033	11
Jun-2033	11
Jul-2033	11
Aug-2033	11
Sep-2033	11
Oct-2033	11
Nov-2033	11
Dec-2033	11
Jan-2034	11
Feb-2034	11
Mar-2034	10
Apr-2034	10
May-2034	10
Jun-2034	10
Jul-2034	10
Aug-2034	10
Sep-2034	10
Oct-2034	10
Nov-2034	10
Dec-2034	10
Jan-2035	10
Feb-2035	10
Mar-2035	10
Apr-2035	10
May-2035	10
Jun-2035	10
Jul-2035	10
Aug-2035	10
Sep-2035	10
Oct-2035	10
Nov-2035	9
Dec-2035	9