

P.M.E.S.O - 401467814

Susp. Date 1-29-2004

Sent Federal Express

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JAN 9 2004

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

January 6, 2003

Mr. Michael Stogner
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Re: Randleman #1B
725' FNL, 2390' FWL, Section 13, T-31-N, R-11-W, San Juan County
30-045-31932

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Blanco Mesaverde and Basin Dakota formation.

The subject well was staked at this location due to terrain, geology and utilities. The terrain slopes steeply to the west into the wash, as shown on the attached aerial photography and topographic maps. The location needs to stay in the eastern portion of the W/2 in order to properly drain these formations and to not encroach on the current drainage patterns of the Mesaverde formation, as shown on the attached drainage map. A majority of the area within the legal spacing window for the Mesaverde and Dakota formation is encompassed by a large arroyo, steep cliffs, underground and above ground utilities and irrigated farm land. Burlington would not want to disturb the irrigation system in place. Consequently, this location was staked non-standard for the Mesaverde and Dakota formation, in order to best fit the existing geology and terrain.

The following attachments are for your review:

- Approved application for Permit to Drill and C-102 at referenced location
- Offset operators / owners plat
- 9 Section plat
- Topographic map of Section 13
- Aerial Photography Map
- Geologic Summary
- Drainage Map

Three copies of this application are being submitted to offset operator / owner by certified mail. Please let me know if you have any questions about this application.

Sincerely,



Joni Clark
Regulatory Specialist

Re: Randleman #1B
725' FNL, 2390' FWL, Section 13, T31N, R11W, San Juan County
30-045-31932

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

BP America
Attn: Bryan Anderson
San Juan B U
Westlake 1, Room 19-114
501 Westlake Park Blvd.
Houston, TX 77079

ConocoPhillips Company
Attn: Chief Landman San Juan / Rockies
P. O. Box 2197
Houston, TX 77252-2197

Moore Loyal Trust
Lee Wayne Moore Trustee
403 N. Marienfeld
Midland, TX 79701

George W. Umbach
Attn: J. Mark Choplin
C/o Bank of Oklahoma NA Agent
P. O. Box 3499
Tulsa, OK 74101

Robert Umbach Cancer Foundation
Bank of Oklahoma Agent
Acct # 628991010
P. O. Box 1588
Tulsa, OK 74101

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address BURLINGTON RESOURCES OIL & GAS CO PO Box 4289 Farmington, NM 87499		OGRID Number 14538
		API Number 30-045-31932
Property Code 7412	Property Name RANDLEMAN	Well No. 001B

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	13	31N	11W	C	725	N	2390	W	San Juan

Proposed Pools

BASIN DAKOTA (PRORATED GAS) 71599
BLANCO-MESAVERDE (PRORATED GAS) 72319

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type Private	Ground Level Elevation 5862
Multiple Y	Proposed Depth 7245	Formation Dakota Formation	Contractor	Spud Date

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	32.3	120	35	0
Intl	8.75	7	20	2749	323	0
Prod	6.25	4.5	10.5	7110	301	2649

Casing/Cement Program: Additional Comments

Well will be an open hole from 7110 to 7245.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	
Electronically Signed By: Nancy Oltmanns	
Title: Senior Staff Specialist	
Date: 10/15/2003	Phone: 505-326-9891

OIL CONSERVATION DIVISION	
Electronically Approved By: Frank Chavez	
Title: District Supervisor	
Approval Date: 10/28/2003	Expiration Date: 10/28/2004
Conditions of Approval: No Conditions	

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87506

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 7412	⁵ Property Name RANDLEMAN	⁶ Well Number 1B
⁷ OGED No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 5862'

¹⁰ Surface Location

UL or lot no. C	Section 13	Township 31-N	Range 11-W	Lot Idn	Feet from the 725'	North/South line NORTH	Feet from the 2390'	East/West line WEST	County SAN JUAN
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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 W/320		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 S 89-27-27 E 2652.44' (M) 2390' 725'			
RANDLEMAN, F ET UX		LAT: 36°54.2235' N. LONG: 107°56.5386' W. NAD 1927	
RANDLEMAN, IRVIN			
SMITH, B A ET UX			

¹⁷ OPERATOR CERTIFICATION

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

Signature
Tammy Wimsatt

Printed Name
Regulatory Specialist

Title

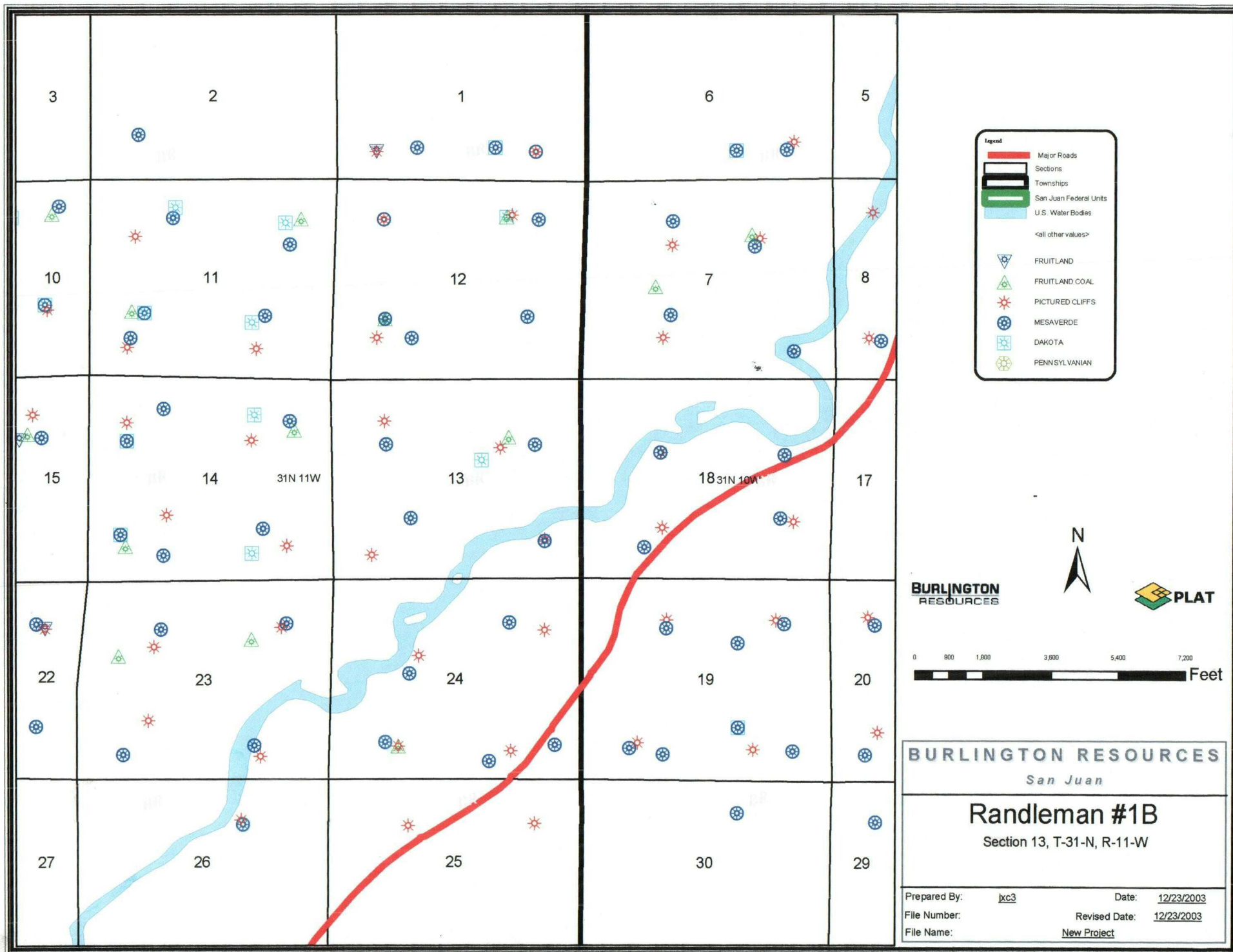
Date

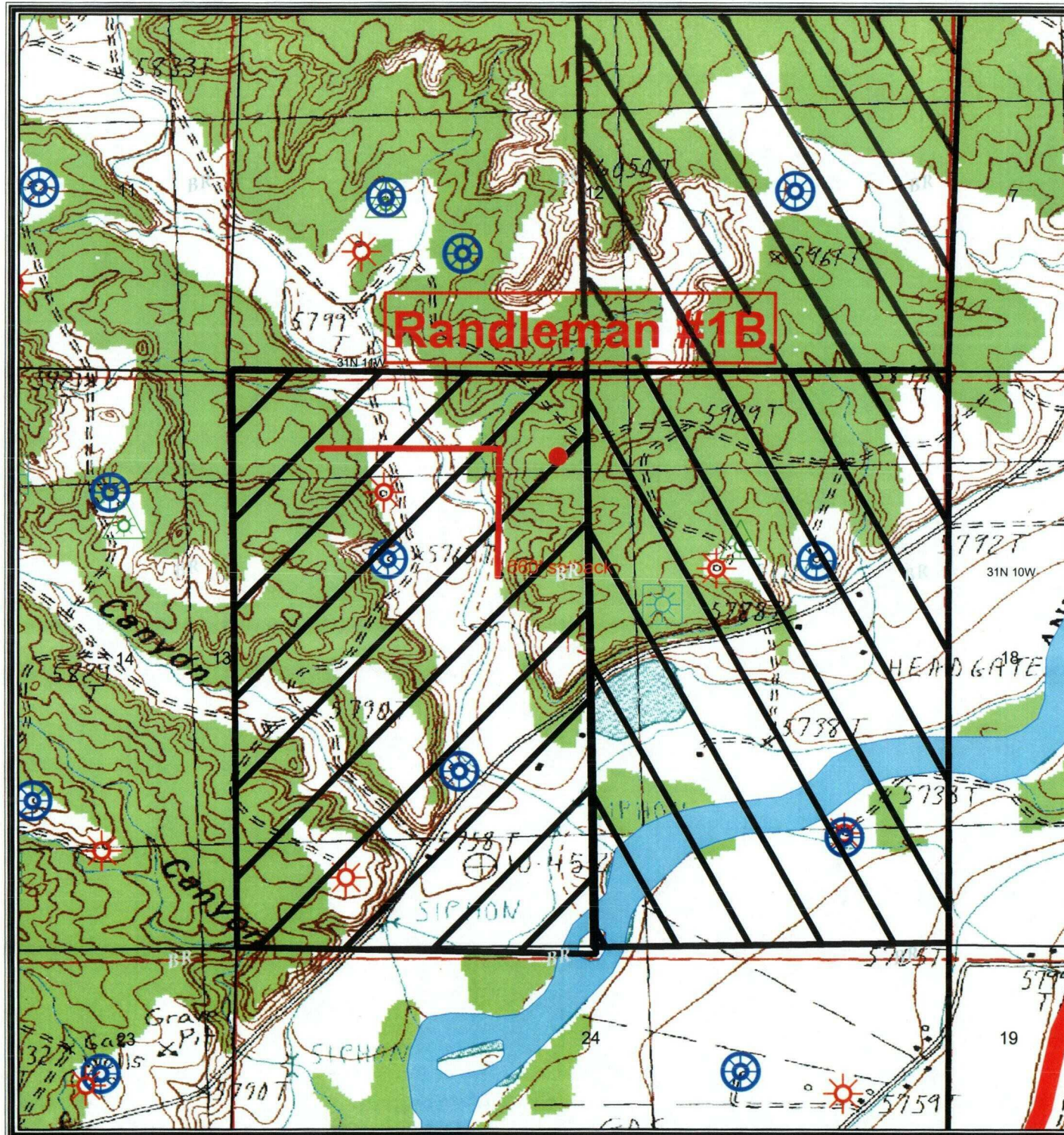
¹⁸ SURVEYOR CERTIFICATION

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 9-18-03

Signature of Professional Surveyor
GLEN W. RUSSELL
NEW MEXICO
15703
15703





Legend

- <all other values>
- ⚙ FRUITLAND
- ⚙ FRUITLAND COAL
- ☀ PICTURED CLIFFS
- ⚙ MESAVERDE
- ⚙ DAKOTA
- ⚙ PENNSYLVANIAN



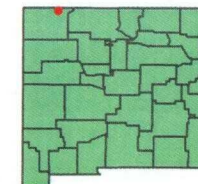
BURLINGTON
RESOURCES



0 360 720 1,440 2,160 2,880 Feet

1:71,167,736 - 1" equals 5,930,645'

GCS North American 1927



BURLINGTON RESOURCES

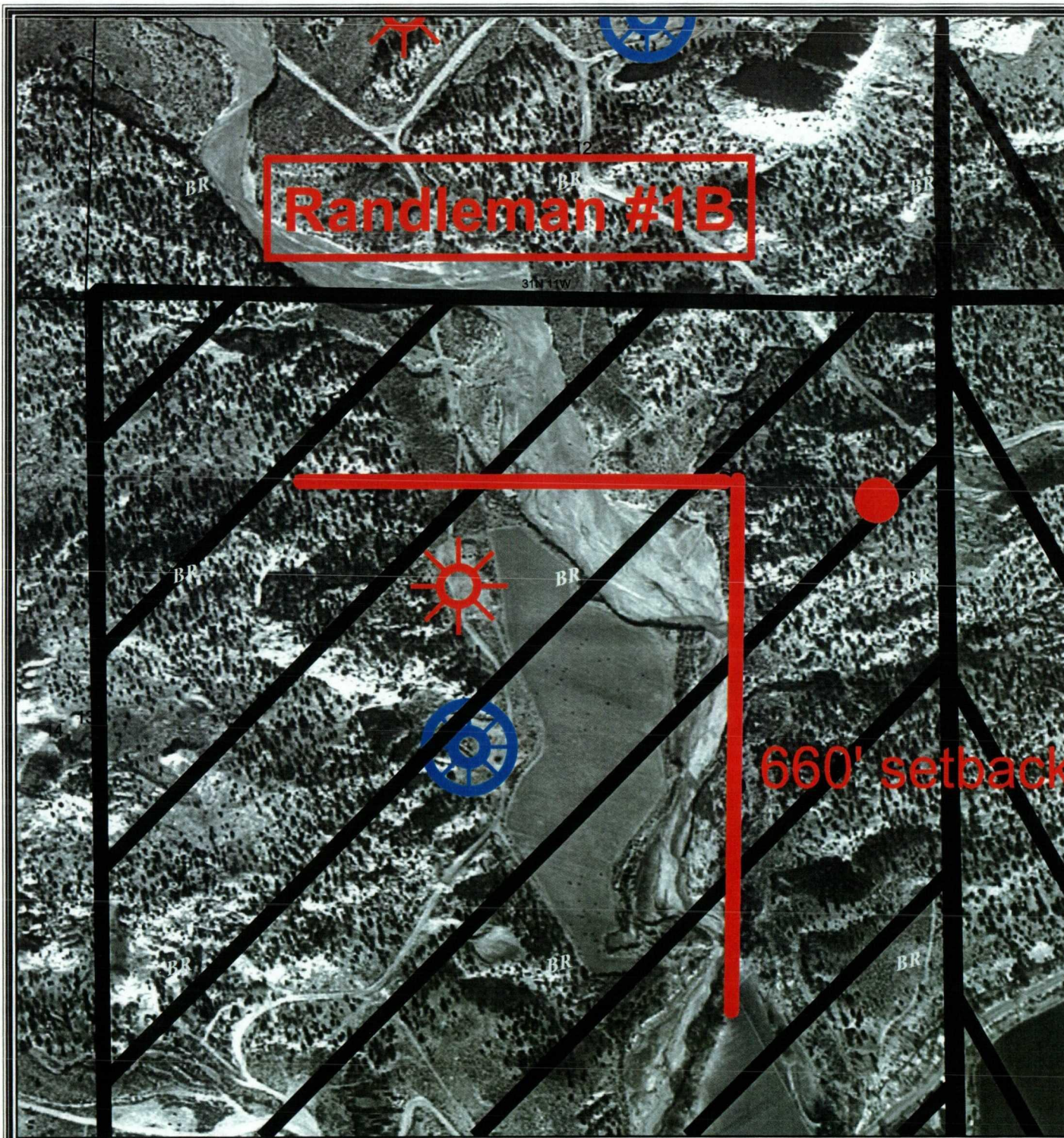
San Juan

Randleman # 1B Well
725' FNL, 2390' FWL
Sec. 13, T31N, R11W
San Juan Co. NM

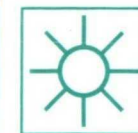
Prepared By: Alan Alexander Date: 1/5/2004

File Number: Revised Date: 1/5/2004

File Name: r:\plat\Public\Projects\Randleman #1B\Randleman #1B.mxd



MESAVERDE



DAKOTA



PENNSYLVANIAN



BURLINGTON
RESOURCES



1:71,167,736 - 1" equals 5,930,645'

GCS North American 1927



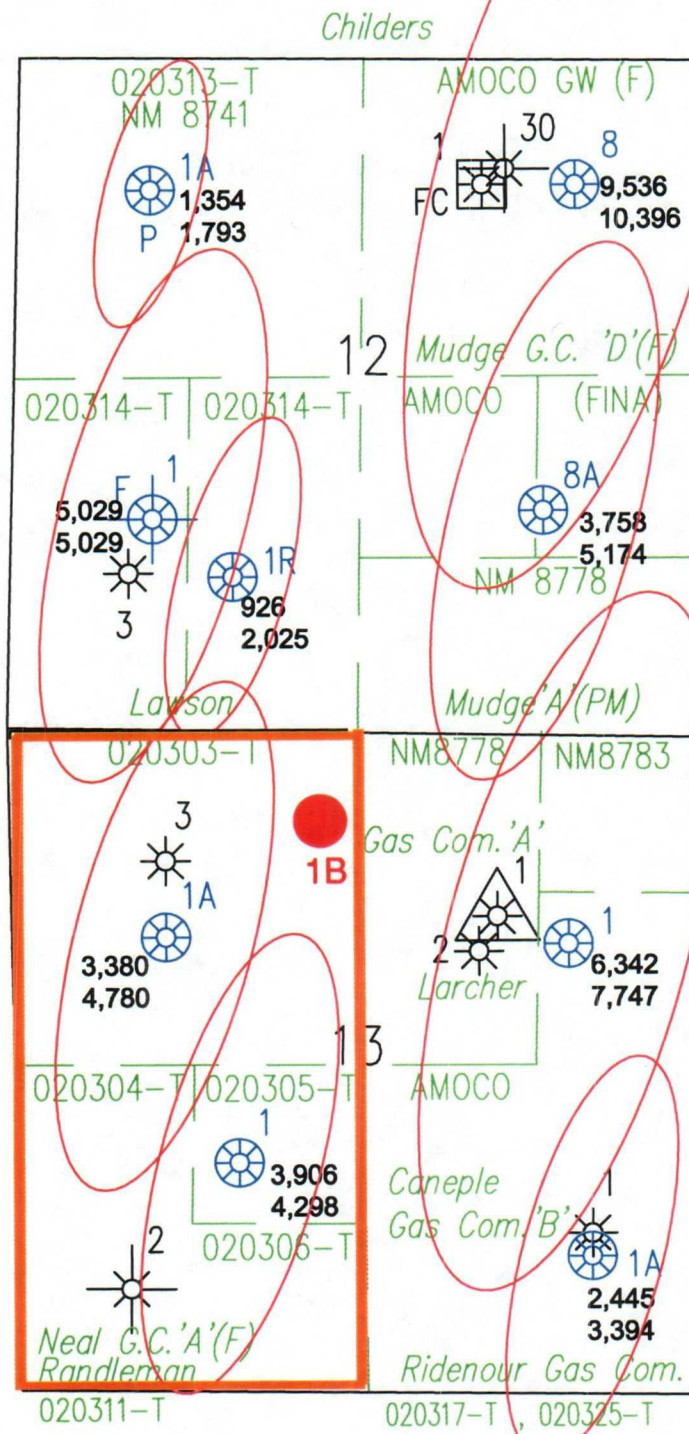
BURLINGTON RESOURCES

San Juan

Randleman # 1B Well
725' FNL, 2390' FWL
Sec. 13, T31N, R11W
San Juan Co. NM

Prepared By: Alan Alexander Date: 1/5/2004
File Number: Revised Date: 1/5/2004
File Name: r:\plat\Public\Projects\Randleman #1B\Randleman #1B.mxd

Randelman #1B
31N-11W-13C
San Juan County, NM



Proposed Location



Cum Prod EUR



Spacing Unit



Drainage Area

(based on EUR for well)

Proposed Randleman Well Number 1B
725' FNL & 2390' FWL
Section 13, T31N, R11W
San Juan County, New Mexico
Blanco Mesaverde/Basin Dakota Pool

The Mesaverde spacing unit for the Randleman 1B is the W/2 of Section 13-T31N-R11W. The proposed test is staked at a non-standard Mesaverde gas well location within the 320-acre spacing unit. It will be the third Mesaverde well completed in the 320-acre spacing unit. The location of the proposed test was selected to optimize recovery from the Mesaverde Group. The primary control on productivity in the Mesaverde is the density of natural fractures. Fracture orientation ranges from due north to north 30 degrees east. Gas drainage areas are elliptical in shape with the long axis parallel to the direction of fracture orientation. A drainage ellipse map of the project vicinity indicates that undeveloped gas reserves remain to be exploited by the Randleman 1B in the NE/4NW/4 of Section 13-T31N-R11W. The drainage ellipse map is based upon data derived from a larger study of the entire Blanco Mesaverde Pool (estimated ultimate recovery calculated for all wells in the Blanco Mesaverde Pool, original gas in place values calculated for entire Blanco Mesaverde Pool, etc.). Every effort was made to locate the Randleman 1B at a standard Mesaverde gas well location in the NW/4 of Section 13 that would also not create significant Mesaverde drainage area overlap with the Randleman 1A, located in the SW/4NW/4 (1635 FNL, 1150 FWL) of Section 13-T31N-R11W. Unfortunately, it was not possible to find such a surface location due to terrain and utilities.

The Dakota spacing unit for the Randleman 1B is the W/2 of Section 13-T31N-R11W. The proposed test is staked at a non-standard Dakota gas well location within the spacing unit. The proposed test will be the first Dakota well completed in the 320-acre spacing unit. Exact placement of the well within the NW/4 of the section is not viewed as critical to success of the new drill project in the Dakota. A test located at the proposed footages is expected to be geologically comparable in the Dakota with a test located at any standard Dakota location in the NW/4 of Section 13.

