

4/22/08 DATE IN	SUSPENSE	Brooks ENGINEER	4/24/08 LOGGED IN	NSL TYPE	PKU R0811548970 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



*Burlington Resources Oil & Gas Company*  
*Allison Unit #41M*

**ADMINISTRATIVE APPLICATION CHECKLIST**

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 \_\_\_\_\_

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

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners *5/1/08*  
[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

**RECEIVED**  
2008 APR 22 PM 3 28

**[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.**

Patsy Clugston

Print or Type Name

*Patsy Clugston*  
Signature

Regulatory Specialist

Title

4/21/08

Date

clugsp1@conocophillips.com  
e-mail Address

***Burlington Resources Oil & Gas, LP***

3401 E. 30<sup>th</sup> Street  
Farmington, NM 87401

emailed  
Received 6-6-08  
TW-

April 21, 2008  
Sent Overnight UPS

New Mexico Oil Conservation Division  
NSL Examiner  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Allison Unit #41M  
Unit M, 1170' FSL & 130' FWL, Sec. 29, T32N, R6W  
San Juan Co, New Mexico  
API - 30-045-34609

Dear Sir:

This is a request for administrative approval for a non-standard gas well location in the Basin Dakota pool.

The proposed Allison Unit #41M was staked as a commingle Blanco Mesaverde / Basin Dakota well. The placement of this drill block well is non-standard for the Dakota as per Order 10987-B (2).

The reason for staking a non-standard location for the proposed well is the extreme topographic relief with the "legal drilling window" and archaeological issues. See the attached topo and aerial map for further clarification as well as the archaeological report.

Production from the Blanco Mesaverde and Basin Dakota are included in the 320 acre gas proration unit on the W/2 of Section 29. There is not an NSL issue with the Mesaverde formation since Section 29 and all surrounding sections are in the Mesaverde participating area, however the Dakota is not and because of this the 10 foot offset does not come into effect. To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. Approved APD cover page and C102 plat showing location of the well
2. 9 Section Plan showing wells in the area
3. Offset Operator Plat for Section 30
4. Topo and aerial maps showing the location of the well
5. Archaeological Report for the Allison Unit #41M

Section 30 (offset section) is within the PA therefore we have notified the Dakota PA working interest owners since we are encroaching the E/2 of Section 30, T32N, R6W. Please let me know if you have any questions about this application at 505-326-9518.

Sincerely,



Patsy Clugston  
Regulatory Specialist

Allison Unit #41M  
Unit M, 1170' FSL & 130' FWL, Sec. 29, T32N, R6W  
San Juan Co, New Mexico  
API - 30-045-34609

I hereby certify that the following offset owner/operator has been notified by certified mail of our application for administrative approval for non-standard well locations of the above stated well.

Williams Production Company  
One Williams Center  
P.O. Box 3102 MD25-1  
Tulsa, OK 74101

*Patsy Chis*

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

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address BURLINGTON RESOURCES OIL & GAS COMPANY LP 3401 E. 30TH STREET FARMINGTON, NM 87402		2. OGRID Number 14538
		3. API Number 30-045-34609
4. Property Code 6784	5. Property Name ALLISON UNIT	6. Well No. 041M

**7. Surface Location**

UL - Lot M	Section 29	Township 32N	Range 06W	Lot Idn M	Feet From 1170	N/S Line S	Feet From 130	E/W Line W	County SAN JUAN
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**8. Pool Information**

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

**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 6348
14. Multiple Y	15. Proposed Depth 7988	16. Formation Dakota Formation	17. Contractor	18. Spud Date
Depth to Ground water 99		Distance from nearest fresh water well 990		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 miles thick Clay <input type="checkbox"/> Pit Volume: 4400 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	32.3	200	159	0
Int1	8.75	7	20	3482	785	0
Prod	6.25	4.5	10.5	7988	613	3382

**Casing/Cement Program: Additional Comments**

This is a Type 3 well per the COPC Master Operational Plan. The cement shown is the volume of cement in cubic feet instead of sxs. Will be filing for NSL approval for the Dakota formation. The pit sundry will be filed once the APD is approved.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	Schafer

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Charlie Perrin	
	Title: District Supervisor	
	Approved Date: 3/4/2008	Expiration Date: 3/4/2010
	Printed Name: Electronically filed by Philana Thompson	
Title: Regulatory Technician		
Email Address: thomppp@conocophillips.com		
Date: 2/25/2008   Phone: 505-326-9530		

**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 70185

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34609	2. Pool Code 71599	3. Pool Name BASIN DAKOTA (PRORATED GAS)
4. Property Code 6784	5. Property Name ALLISON UNIT	6. Well No. 041M
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. Elevation 6348

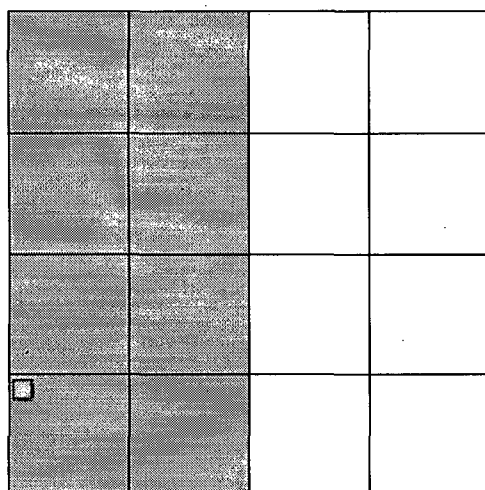
**10. Surface Location**

UL - Lot M	Section 29	Township 32N	Range 06W	Lot Idn	Feet From 1170	N/S Line S	Feet From 130	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 320.00	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**

**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(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.*

E-Signed By: Philana Thompson

Title: Regulatory Technician

Date: 2/25/2008

**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.*

Surveyed By: Glen R Russell

Date of Survey: 10/31/2007

Certificate Number: 15703

**District I**

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

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

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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**

Form C-102  
 Permit 70185

**Energy, Minerals and Natural Resources****Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505****WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34609	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 6784	5. Property Name ALLISON UNIT	6. Well No. 041M
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. Elevation 6348

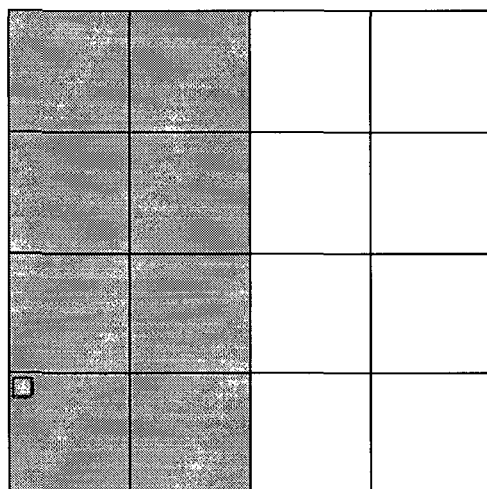
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Ldn	Feet From	N/S Line	Feet From	E/W Line	County
M	29	32N	06W		1170	S	130	W	SAN JUAN

**11. Bottom Hole Location If Different From Surface**

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**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(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.*

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Title: Regulatory Technician

Date: 2/25/2008

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Surveyed By: Glen R Russell

Date of Survey: 10/31/2007

Certificate Number: 15703

## Permit Comments

Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP , 14538

Well: ALLISON UNIT #041M

API: 30-045-34609

Created By	Comment	Comment Date
SHAYDEN	Minerals are federal for Coal only.	2/26/2008

***Burlington Resources Oil & Gas, LP***

3401 E. 30<sup>th</sup> Street  
Farmington, NM 87401

April 21, 2008  
Sent Overnight UPS

New Mexico Oil Conservation Division  
NSL Examiner  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Allison Unit #41M  
Unit M, 1170' FSL & 130' FWL, Sec. 29, T32N, R6W  
San Juan Co, New Mexico  
API - 30-045-34609

*10987-B*

*NSL  
Dakota is not*

Dear Sir:

This is a request for administrative approval for a non-standard gas well location in the Basin Dakota pool.

The proposed Allison Unit #41M was staked as a commingle Blanco Mesaverde / Basin Dakota well. The placement of this drill block well is non-standard for the Dakota as per Order 10987-B (2). *denied*

*R-* The reason for staking a non-standard location for the proposed well is the extreme topographic relief with the "legal drilling window" and archaeological issues. See the attached topo and aerial map for further clarification as well as the archaeological report.

Production from the Blanco Mesaverde and Basin Dakota are included in the 320 acre gas proration unit on the W/2 of Section 29. There is not an NSL issue with the Mesaverde formation since Section 29 and all surrounding sections are in the Mesaverde participating area, however the Dakota is not and because of this the 10 foot offset does not come into effect. To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. Approved APD cover page and C102 plat showing location of the well
2. 9 Section Plan showing wells in the area
3. Offset Operator Plat for Section 12 & Section 1 *← 30 -*
4. Topo and aerial maps showing the location of the well
5. Archaeological Report for the Allison Unit #41M

*list*

Section 30 (offset section) is within the PA therefore we have notified the Dakota PA working interest owners since we are encroaching the E/2 of Section 30, T32N, R6W. Please let me know if you have any questions about this application at 505-326-9518.

Sincerely,

*Patsy Clugston*

Patsy Clugston *PL @* *concealment*  
Regulatory Specialist

*5332*

*326-9900*

*main office*



$\frac{1}{2}$ " 60 PSI 1 Hour 630

$$\begin{array}{r} 630 \\ \hline 60 \end{array} = 10.5$$

$\frac{1}{2}$ " @ 60 PSI uses 10.5 gal / min

5 min 10 gal -

2 gallons per min -

Submit 3 Copies To Appropriate District  
Office  
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

Form C-103  
May 27, 2004

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045- 34609
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No. USA SF-81155
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name Allison Unit
4. Well Location Unit Letter M : 1170 feet from the South line and 130 feet from the West line Section 29 Township 32N Rng 6W NMPM County San Juan		8. Well Number #41M
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6348' GR		9. OGRID Number 14538
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Basin Dakota/Blanco Mesaverde
Pit type New Drill Depth to Groundwater <100' Distance from nearest fresh water well >1000' Distance from nearest surface water <1000'		
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 4400 bbls; Construction Material		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: New Drill ☒ OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

RCVD MAR 4 '08  
OIL CONS. DIV.

DIST. 3

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCDD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCDD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Crystal Walker TITLE Regulatory Technician DATE 2/18/2008

Type or print name Crystal Walker E-mail address: crystal.walker@conocophillips.com Telephone No. 505-326-9837

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

MAR 06 2008

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

Submit 3 Copies To Appropriate District  
Office  
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

Form C-103  
March 4, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-045- <b>34609</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. SF-081155
7. Lease Name or Unit Agreement Name Allison Unit
8. Well Number #41M
9. OGRID Number 14538
10. Pool name or Wildcat Blanco MV / Basin DK

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well:  
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
**Burlington Resources Oil & Gas, LP**

3. Address of Operator  
**P.O. Box 4289, Farmington, NM 87499-4289**

4. Well Location

Unit Letter M : 1170 feet from the South line and 130 feet from the West line

Section 29 Township 32N Range 6W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6348' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

It is intended to drill and completed the subject well in the Basin Dakota (Pool Code 71599) and Blanco Mesaverde (Pool Code 72319). The production will be commingled according to Oil Conservation Division Order Number 11363. Commingling will not reduce the value of production. The Bureau of Land Management Office has been notified in writing of this application.

Perfs' - MV - 5305' - 5545'; DK - 7702' - 7988'

RCUD MAR 25 '08

OIL CONS. DIV.

Notification of the intent to commingle the subject well was sent to all interest owners via certified mail on 02/27/2008. No objections were received.

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Crystal Walker TITLE Regulatory Technician DATE 3/24/08

Type or print name Crystal Walker E-mail address: crystal.walker@conocophillips.com Telephone No. 505-326-9837

(This space for State use)

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE APR 02 2008  
Conditions of approval, if any: DHC 2842AZ  
District #3

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

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

Form C-101  
Permit 70185

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

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4. Property Code 6784		3. API Number 30-045-34609
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**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	29	32N	06W	M	1170	S	130	W	SAN JUAN

**8. Pool Information**

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BLANCO-MESAVERDE (PRORATED GAS)	72319

**Additional Well Information**

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**Casing/Cement Program: Additional Comments**

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Printed Name: Electronically filed by Philana Thompson	Approved By: Charlie Perrin
Title: Regulatory Technician	Title: District Supervisor
Email Address: thomppp@conocophillips.com	Approved Date: 3/4/2008   Expiration Date: 3/4/2010

Date: 2/25/2008

Phone: 505-326-9530

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-102  
Permit 70185**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34609	2. Pool Code 71599	3. Pool Name BASIN DAKOTA (PRORATED GAS)
4. Property Code 6784	5. Property Name ALLISON UNIT	6. Well No. 041M
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. Elevation 6348

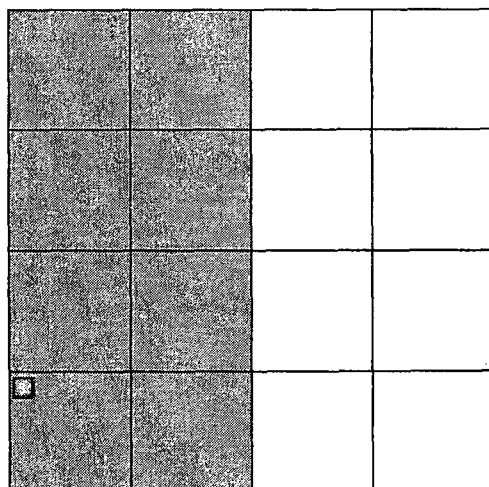
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	29	32N	06W		1170	S	130	W	SAN JUAN

**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 320.00	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**

**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(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.*

E-Signed By: Philana Thompson

Title: Regulatory Technician

Date: 2/25/2008

**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.*

Surveyed By: Glen R Russell

Date of Survey: 10/31/2007

Certificate Number: 15703

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

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**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 70185**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34609	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 6784	5. Property Name ALLISON UNIT	6. Well No. 041M
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. Elevation 6348

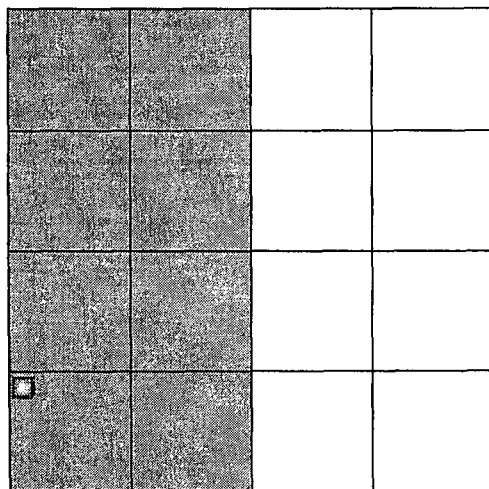
**10. Surface Location**

UL - Lot M	Section 29	Township 32N	Range 06W	Lot Idn	Feet From 1170	N/S Line S	Feet From 130	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 320.00	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**

**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(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.*

E-Signed By: Philana Thompson

Title: Regulatory Technician

Date: 2/25/2008

**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.*

Surveyed By: Glen R Russell

Date of Survey: 10/31/2007

Certificate Number: 15703

## Permit Comments

**Operator:** BURLINGTON RESOURCES OIL & GAS COMPANY LP , 14538

**Well:** ALLISON UNIT #041M

**API:**

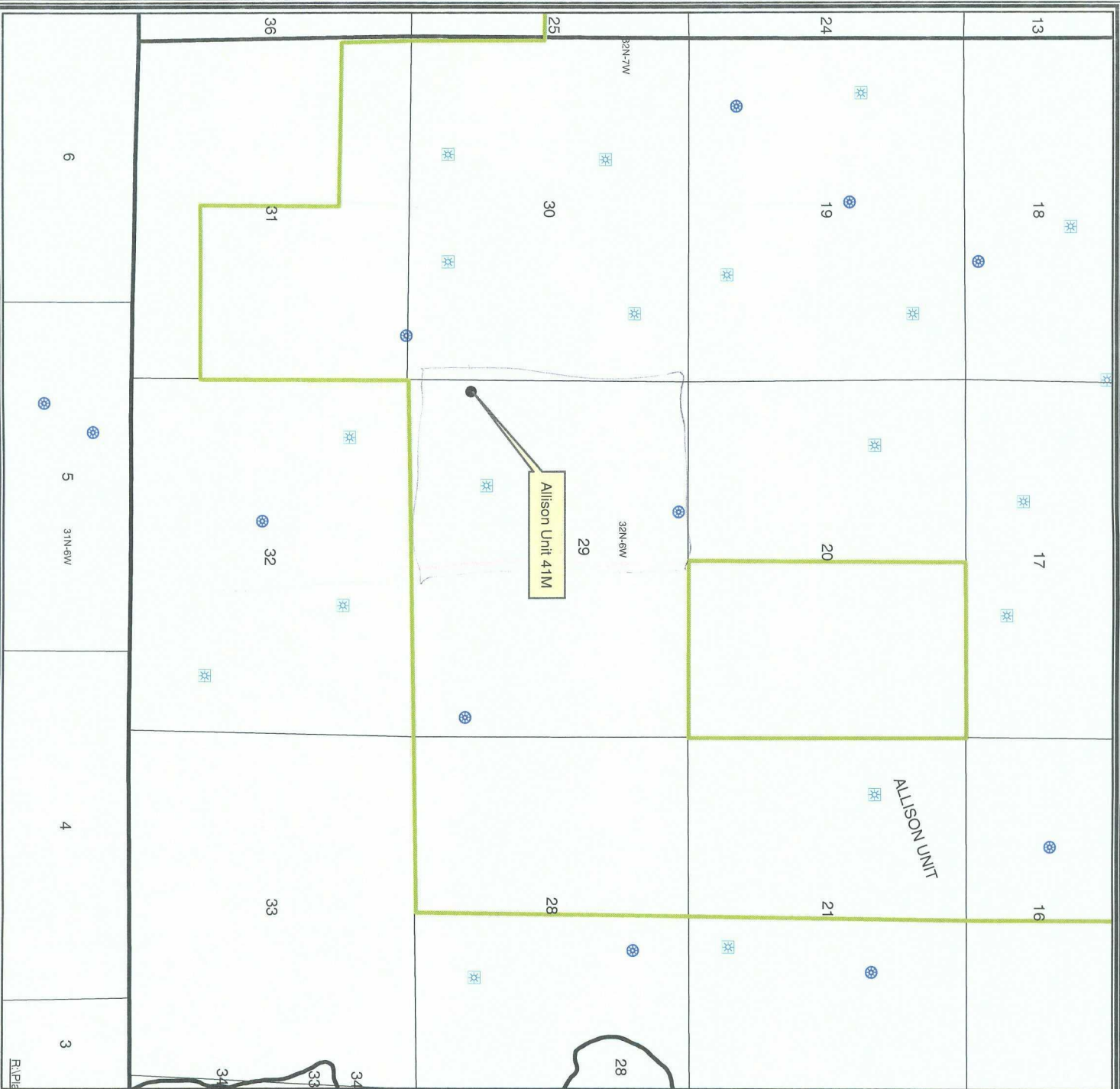
Created By	Comment	Comment Date
SHAYDEN	Minerals are federal for Coal only.	2/26/2008



Legend

**P2000 Well Headers Formations**

- MESAVERDE
- DAKOTA



1:32,384  
- 1" equals 2,699'

GCS North American 1927



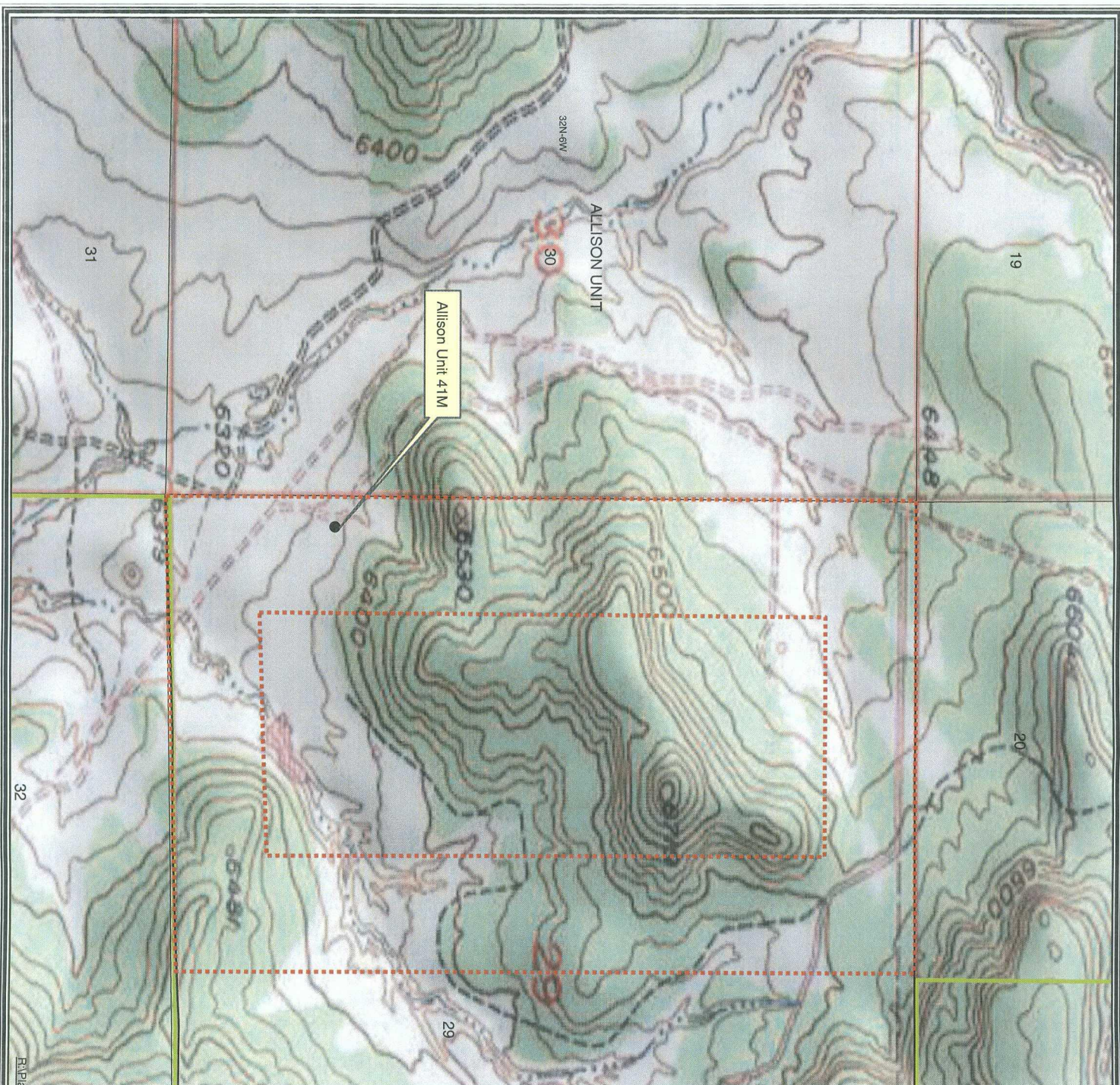
**ConocoPhillips**  
© Unpublished Work, ConocoPhillips

**Allison Unit 41M**  
**Sec. 29, T32N, R6W**  
**Nine Section Plat**

Author:	Date: 2/6/2008
Compiled by:	Scale: <Scale>
R:\Plat\Projects\San Juan Basin Template.mxd	



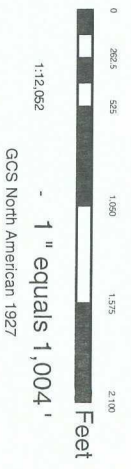




**Legend**

**P2000 Well Headers Formations**

- MESAVERDE
- DAKOTA



**ConocoPhillips**

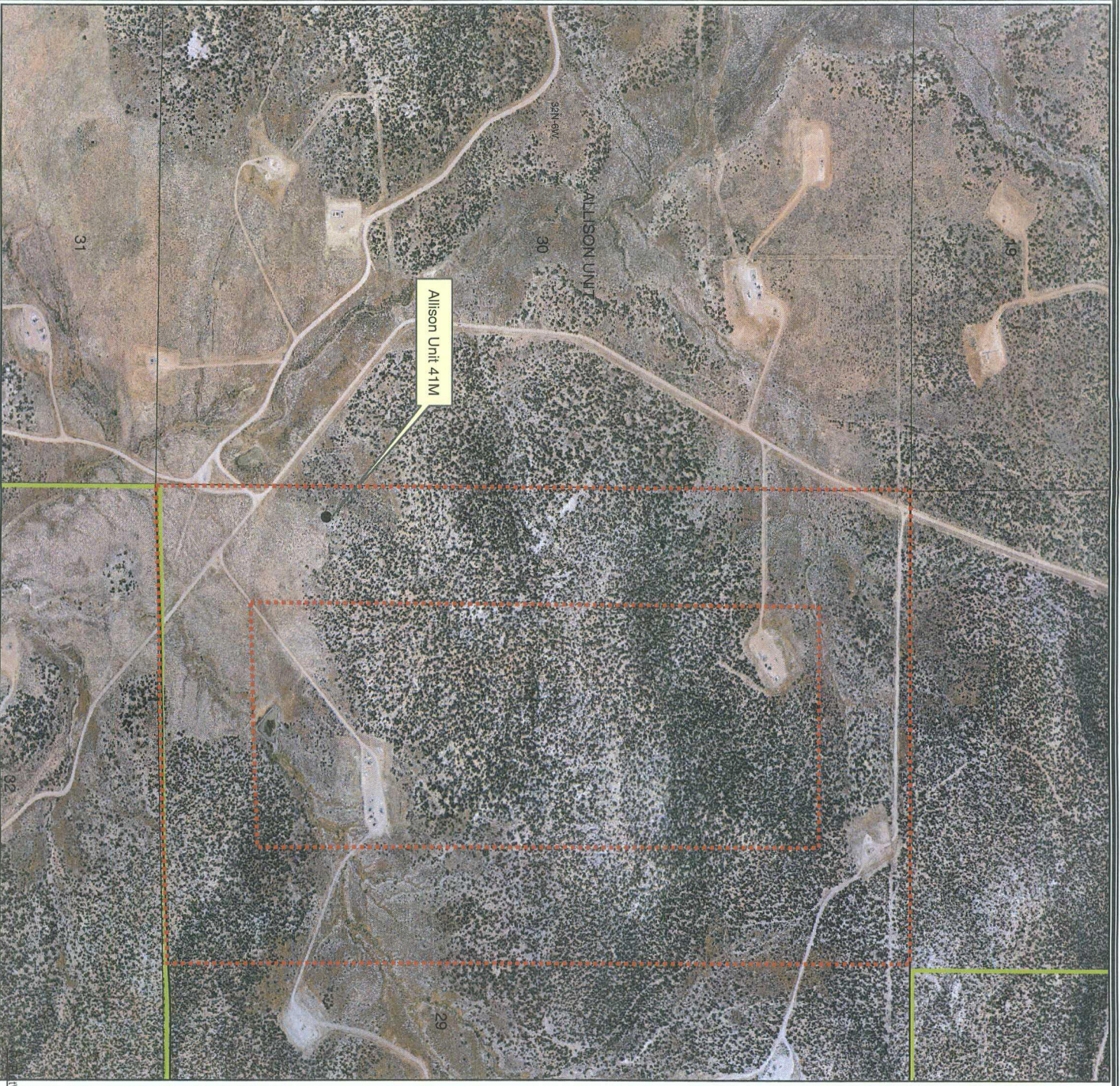
© Unpublished Work, ConocoPhillips



Allison Unit 41M  
 Sec. 29, T32N, R6W  
 1170' FSL, 130' FWL  
 Topographic Map

Author:	Date: 2/6/2008
Compiled by:	Scale: <Scale>
Project: Projects\San Juan Basin Template.mxd	





**Legend**

**P2000 Well Headers Formations**

- MESAVERDE
- DAKOTA

**660' Setback**

0 263.5 525 1,050 1,575 2,100

1:12,052 - 1" equals 1,004'

GCS North American 1927

**Feet**

**ConocoPhillips**

© Unpublished Work, ConocoPhillips

**Allison Unit 41M**  
**Sec. 29, T32N, R6W**  
**1170' FSL, 130' FWL**  
**Aerial Map**

Author:	Date: 2/6/2008
Compiled by:	Scale: <Scale>
Project/Project:San Juan Basin Template.mxd	



## WESTERN ARCHEOLOGICAL SERVICES

12603 Road 32, Mancos, Colorado 81328 Tele. 970-882-7758 FAX 970-882-7768

---

December 9, 2007

Mr. Virgil Chavez  
Burlington Resources Oil & Gas Co.  
3401 30th St.  
Farmington, N.M. 87402

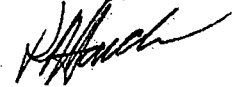
*1/8 or 12.5%*

**RE: Allison 41M Well Site, Access, & Pipeline**

Mr. Chavez:

Please find enclosed the archeological survey report for the above referenced project located in San Juan County, New Mexico. Archeological clearance has been recommended. If you have any questions please give me a call.

Sincerely,



Patrick Harden

# WESTERN ARCHEOLOGICAL SERVICES

12603 Road 32, Mancos, Colorado 81328 Tele. 970-882-7758 FAX 970-882-7768

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December 9, 2007

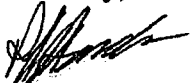
Mr. Jack Young  
Archeologist  
N.M. Dept. Game & Fish  
P.O. Box 25112  
Santa Fe, New Mexico 87504

**RE: Allison 41M Well Site, Access, & Pipeline**

Mr. Eck:

Please find enclosed two copies of the archeological survey report for the above referenced project for Burlington Resources Oil & Gas Co. located in San Juan County. Given the stipulations in the report archeological clearance for the project is recommended.

Sincerely,



Patrick Harden

Copy To: Burlington Resources Oil & Gas Co.

**ARCHEOLOGICAL SURVEY OF  
BURLINGTON RESOURCES OIL & GAS CO.'S  
ALLISON 41M WELL SITE, ACCESS, & PIPELINE,  
SAN JUAN COUNTY, NEW MEXICO**

WAS Report 7082

by  
Patrick Harden

**WESTERN ARCHEOLOGICAL SERVICES  
12603 Road 32  
Mancos, Colorado 81328  
970-882-7758**

**Permit No. NM-07-059-S  
NMCRIS 108436**

**December 9, 2007**

**Prepared For:  
New Mexico Dept. Game & Fish  
P.O. Box 25112  
Santa Fe, New Mexico 87504**

**Sponsor:  
Burlington Resources Oil & Gas Co.  
3401 E. 30th St.  
Farmington, N.M. 87402**

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# NMCRI INVESTIGATION ABSTRACT FORM

1. NMCRIS No.: 108436		2a. Lead Agency:	2b. Other Agency	3. Lead Agency Report No.:
4. Title of Report: Allison 41M Well Site, Access, & Pipeline			Type of Report: Negative <input type="checkbox"/> Positive <input checked="" type="checkbox"/>	
Author: Patrick Harden				
6. Investigation Type <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collection/Non-Field Study <input type="checkbox"/> Overview <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic Study <input type="checkbox"/> Site specific visit <input type="checkbox"/> Other				
7. Description of Undertaking: well pad 230 x 300' plus a 50' construction zone, access 348' long, pipeline 488' long (190' on proposed well pad and construction zone). The pipeline and access are in a common 40' wide right-of-way and intersect a bladed road and existing pipeline west of the proposed location.				
8. Dates of Investigation: Sept. 18, 2007		9. Report Date: Dec. 9, 2007		
10. Performing Agency/Consultant: Western Archeological Services Principal Investigator: Patrick Harden Field Supervisor: same Field Personnel: same				
11. Performing Agency/Consultant Report No.: WAS 7082		12. Cultural Resource Permit No.: 100-2920-06-Q		
13. Client/Customer: Burlington Resources Contact: Virgil Chavez Address: 3400 E. 30th St., Farmington, N.M. Phone: 505-326-9600		14. Client Project No.:		
15. Land Ownership Status (indicate on map):				
Land Owner	Acres Surveyed	Acres in APE		
State	7.8	3.32		
TOTALS		7.8	3.32	
16. Records Search:				
Date of ARMS Search: 9/4/07		Reviewer: Patrick Harden		
Date of NR/SR Search:		Reviewer:		
Date of Other Agency Search: BLM 9/17/07		Reviewer: Harden		
17. Survey Data:				
a. Source Graphics <input checked="" type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> USGS 7.5' topo Map <input type="checkbox"/> Other topo map, Scale: <input checked="" type="checkbox"/> GPS Unit   Accuracy <input type="checkbox"/> <1.0m <input checked="" type="checkbox"/> 1-10m <input type="checkbox"/> 10-100m <input type="checkbox"/> >100m				
b. USGS Topographic Map Name Bancos Mesa NW		USGS Quad Code 36107-H4		
c. County: San Juan		d. Nearest Town: Aztec		
e. Legal Description:				
Township	Range	Section	1/4s	
32N	6W	29	SW	
Projected legal description? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Unplatted <input type="checkbox"/>		

f. Other Description (e.g., well pad footages): well 1170' FNL, 130' FWL

**18. Survey Field Methods:**

Intensity ☒ 100% coverage ☐ <100% coverage  
Configuration ☒ block survey units 530 x 600' ☒ linear survey units (L x W): 150 x 140' ☐ Other units  
Scope ☒ non-selective (all sites recorded) ☐ selective  
Coverage Method ☒ systematic pedestrian coverage ☐ other method (describe)  
Survey Interval (m): 15m Crew Size: 1 Fieldwork Dates: see item 8  
Survey Person Hours: 5 Recording Hours: 3 Total Hours: 8  
Additional Narrative: all but 150 of the access and pipeline was located in the well site survey area

**19. Environmental Setting:** The project is located on Bancos Mesa in Cottonwood Canyon between Cottonwood wash to the southwest and a prominent unnamed tributary to the east. The well site is located on gently sloping to nearly flat southerly trending terrain just to the south of a prominent butte. Ca. half of the well site is in open sagebrush and half in a pinyon-juniper woodland. The west part of the open area contains a dense stand of mustard. Most of the pinyon in the P-J area are down and standing dead. The access and pipeline are in the P-J area. Sediments are alluvial sand and gravels, with residual sandstone cobbles to the north on a low ledge.

**20a. Percent Ground Visibility:** 60-70 **b. Condition of Survey Area:** bladed road and pipeline to southwest

**21. Cultural Resource Findings** ☒ Yes ☐ No (why?)

**22. Required Attachments (check appropriate boxes):**

☒ Topographic Map  
☐ Copy of NMCRIS Mapserver Map Check  
☒ LA Site Forms  
☒ LA Site Forms (updated version)  
☐ Historic Cultural Property Inventory Forms  
☐ List and Description of Isolates  
☐ List and Description of Collections

**23. Other Attachments**

☐ Photographs  
☐ Other:

**24. I certify the information provided above is correct and accurate and meets all applicable agency standards.**

Principal Investigator:

Signature



Date: Dec. 9, 2007

Title (if not PI):

**25. Reviewing Agency:**

**26. SHPO**

Reviewer's Name/Date

Reviewer's Name/Date:

Accepted ☐ Rejected ☐

HPD Log #:

SHPO File Location:

Tribal Consultation (if applicable): ☐ Yes ☐ No

Date Sent to ARMS

**CULTURAL RESOURCE FINDINGS**

**1. NMCRIS No.:** 108436

**2. Lead Agency:**

**Lead Agency Report No.:**

**SURVEY RESULTS**

Sites discovered and registered: 0

Sites discovered and not registered: 0

Previously recorded sites revisited: LA71665, LA71667

Previously recorded sites not relocated: 0

TOTAL SITES VISITED: 2

Total isolates recorded: 0

Non-selective Isolate recording? [ ]

Total structures recorded: 0

**MANAGEMENT SUMMARY:** The northeast corner of site LA71665 is located at the edge of the northwest corner of the buffer zone and in no danger of being disturbed. Site LA71667 is located 60' east of the east construction zone according to the 1999 update of the site, but no artifacts were noted this close to the well pad, nor on the west side of a small arroyo which runs through the buffer zone on the east side of the pad. However, it is still recommended that a protective fence be erected between the construction zone and the site to extend from the southeast corner of the construction zone near well stake #2 and parallel the construction zone for 130' to the north. Given this stipulation archeological clearance for the project is recommended.

**IF REPORT IS NEGATIVE YOU ARE DONE AT THIS POINT**

**SURVEY LA NUMBER LOG**

Sites Discovered: LA No. Field/Agency No. Eligible? (Y/N, criteria)

Previously recorded revisited sites:	LA No.	Field/Agency No.	Eligible? (Y/N, criteria)
	71665	35951	Y d
	71667	35953	Y d

**MONITORING LA NUMBER LOG**

Sites Discovered:

LA No. Field/Agency No.

Previously recorded sites:

LA No. Field/Agency No.


Areas outside known nearby site boundaries monitored? Yes [ ] No [ ] If no explain why:

**TESTING & EXCAVATION LA NUMBER LOG**

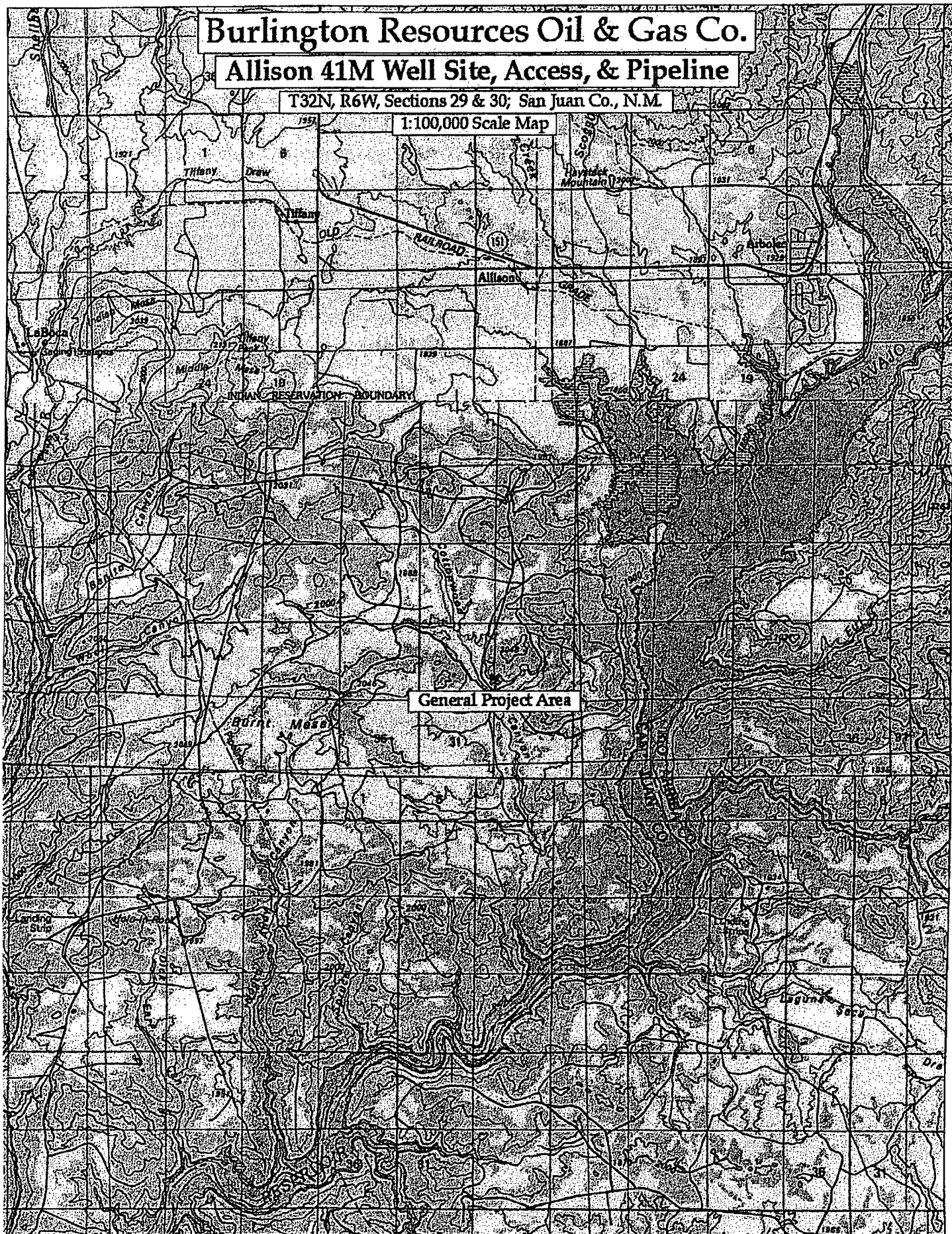
Tested LA No. Excavated LA No.


# Burlington Resources Oil & Gas Co.

## Allison 41M Well Site, Access, & Pipeline

T32N, R6W, Sections 29 & 30; San Juan Co., N.M.

1:100,000 Scale Map



General Project Area

TN MN  
1:100,000

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles

## **INTRODUCTION**

The proposed project is for Burlington Resources Oil & Gas Co.'s Allison 41M well site, access road, and pipeline. The project is located on New Mexico Game and Fish lands approximately five miles south of Allison, Colorado. A total of 3.32 acres will be disturbed by project construction: 3.03 acres for the well site and .29 acres for the access and pipeline. A total of 7.8 acres were surveyed for the project. The purpose of the survey was to identify any prehistoric or historic properties which might be affected by the proposed project, and to comply with Section 106 of the National Historic Preservation Act. The survey was requested by Mr. Virgil Chavez of Burlington Resources. The field investigations were conducted on September 18, 2007 by Patrick Harden of Western Archeological Services, Mancos, Colorado.

## **DESCRIPTION OF UNDERTAKING**

The proposed project entails the construction of a single well pad 230 x 300' in size, plus a 50' wide construction zone around the pad, an access road 348' in length, and a pipeline 488' long (190' on the proposed well pad and construction zone). 50' of the access is in the construction zone. The access and pipeline will be in a common 40' wide right-of-way for the length of the access.

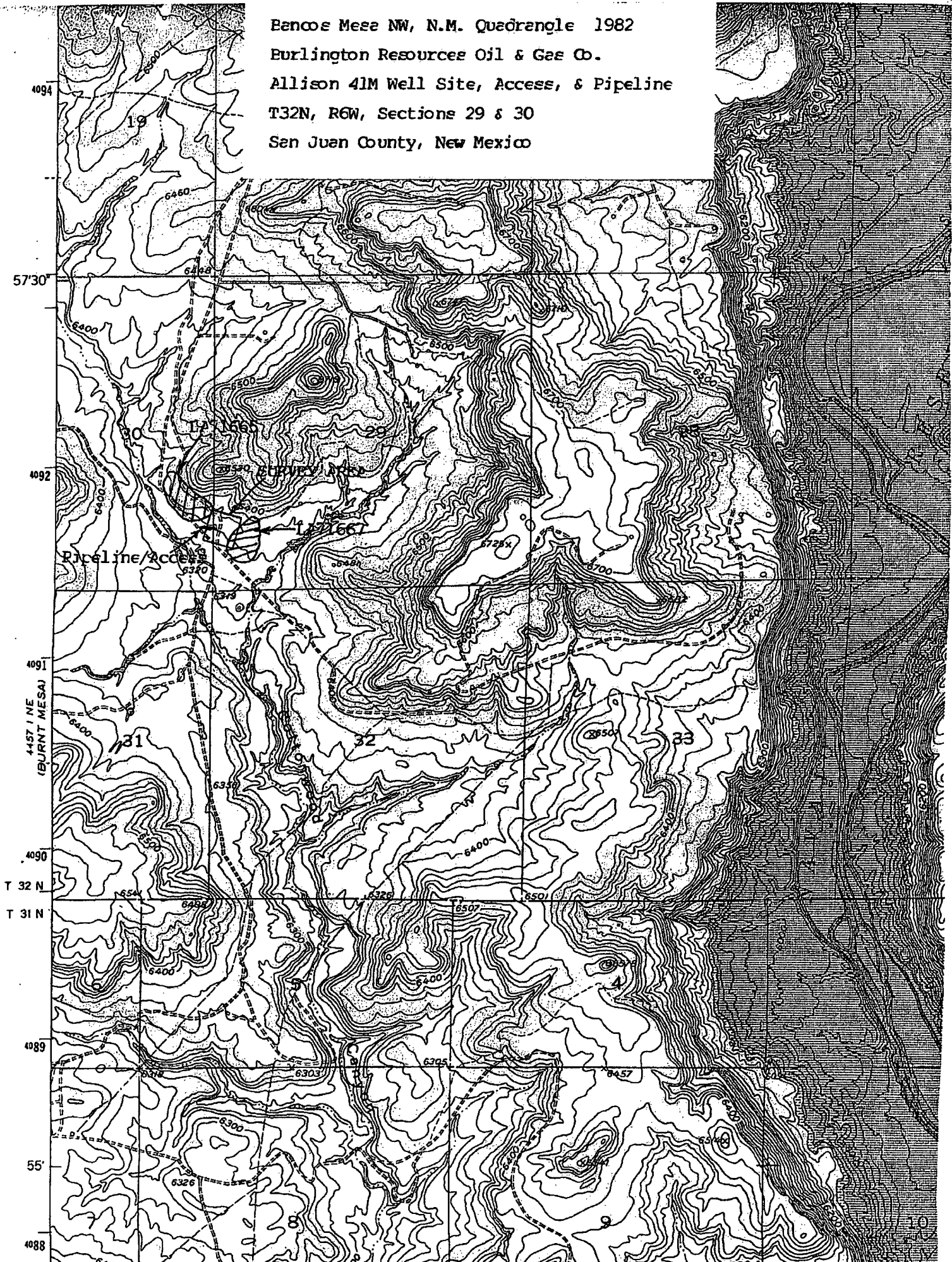
## **PROJECT LOCATION**

The project is located approximately five miles south of Allison, Colorado in San Juan County, New Mexico. The well site is located in the SW of section 29 and access and pipeline are located in the SW of section 29 and SE of section 30, T32N, R6W. The area is contained on the Bancos Mesa NW, N.M. topographic quadrangle (1982). The well center is located 1170' FSL and 130' FWL of section 29. The project is located on lands administered by the New Mexico Fish and Game Department. *ST 1*

## **ENVIRONMENTAL DESCRIPTION**

The project is located on Bancos Mesa in Cottonwood Canyon between Cottonwood wash to the southwest and a prominent unnamed tributary to the east. The well site is located on gently sloping to nearly flat southerly trending terrain just to the south of a prominent butte. Ca. half of the well site is in open sagebrush and half in a pinyon-juniper woodland. The west part of the open area contains a dense stand of mustard. Most of the pinyon in the P-J area are

Bancos Mesa NW, N.M. Quadrangle 1982  
Burlington Resources Oil & Gas Co.  
Allison 41M Well Site, Access, & Pipeline  
T32N, R6W, Sections 29 & 30  
San Juan County, New Mexico





down and standing dead. The access and pipeline are in the P-J area. Sediments are alluvial sand and gravels, with residual sandstone cobbles to the north on a low ledge.

## **LITERATURE REVIEW**

A file search was conducted at the Farmington BLM office prior to the field survey, and another through the ARMS files. The searches indicated that several small-scale archeological surveys for oil and gas related projects have been conducted within the general vicinity of the proposed project, including portions of the well site survey area (Fuller 1989; Robinson and Park 1999). Seven archeological sites have been recorded within 1/4 mile of the project area: LA4813, 51096, 71665, 71667, 118260, 127806, and 127809. No traditional cultural properties are indicated to be in the project area according to Van Valkenburgh (1974).

## **FIELD METHODS**

A series of transects spaced 15m apart were walked across an area 530 X 600' surrounding the well center stake, inventorying the well pad, a 50' construction zone, and 100' buffer zone (7.3 acres). The access/pipeline was similarly surveyed. The previously recorded sites were updated on standard New Mexico Laboratory of Anthropology site forms. 100% of the project area was inventoried for cultural resources (Class III).

## **SURVEY RESULTS**

Two previously recorded archeological sites were relocated during the survey. One site (LA71667) is located 60' east of the east side of the well construction zone according to the 1999 site update. However, no artifacts were noted during the recent survey west of a small arroyo which runs through the east buffer zone. Site LA71665 is located to the west of the well site and access/pipeline, with only the northeast corner of the site situated at the northwest corner of the survey buffer zone. Recommendations to insure avoidance of LA71667 are given below.

Site No.: LA71665

Description: This site is a previously recorded multicomponent PI artifact scatter and historic statehood to WWII period habitation. Two possible middens and an ash stain are associated with the PI component, while the historic component includes the remnants of two cabins, a dugout, possible scattered building debris (sandstone), sandstone foundation, lambing pen, ash stain with historic trash, small cluster of axe cut limbs, and a corral. The site was originally

recorded in 1989 and updated in 1998 and 1999. The 1999 site sketch map includes all features noted by the various recordings. The site remains as documented in 1999.

Site No.: LA71667

Description: This site was originally recorded in 1989 and updated in 1999. The 1989 recording documented all site features, with the 1999 update expanding the site boundaries, evidently due to increased movement of artifacts down slope to the south, and also expanded the west edge of the site across a small arroyo. The site is a PI multiple habitation which includes two roomblocks, two middens, and a pithouse. The site remains as previously documented, except that no artifacts were found to the west of the arroyo.

## RECOMMENDATIONS

The northeast corner of site LA71665 is located at the edge of the northwest corner of the buffer zone and in no danger of being disturbed. Site LA71667 is located 60' east of the east construction zone according to the 1999 update of the site, but no artifacts were noted this close to the well pad, nor on the west side of a small arroyo which runs through the buffer zone on the east side of the pad. However, it is still recommended that a protective fence be erected between the construction zone and the site to extend from the southeast corner of the construction zone near well stake #2 and parallel the construction-zone-for-130'-to-the-north. Given this stipulation archeological clearance for the project is recommended.



## REFERENCES

Fuller, Steven

1989 "An Archaeological Survey of Meridian Oil Company's Allison Unit Pipeline System." LAC Report 8918.

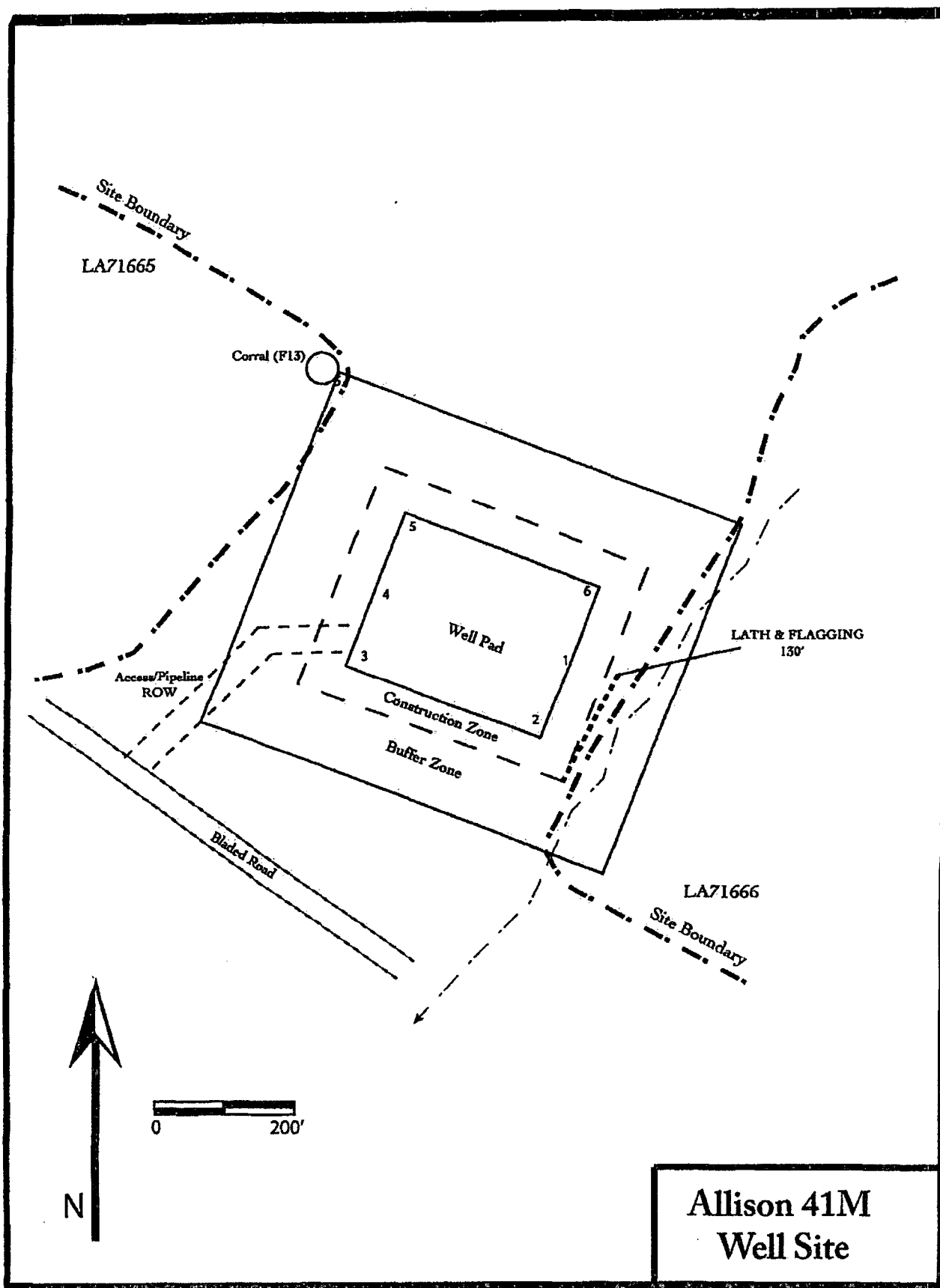
Robinson, Dana and G. Park

1999 "A Cultural Resources Inventory of Williams Field Services Proposed Cottonwood Compressor Site, San Juan County, New Mexico." DCA Report 99-DCA-032.

Van Valkenburgh, Richard F.

1974 Navajo Sacred Places, ed. by Clyde Kluckhohn. In, Navajo Indians III, pp. 9-199. Garland Publishing, New York.





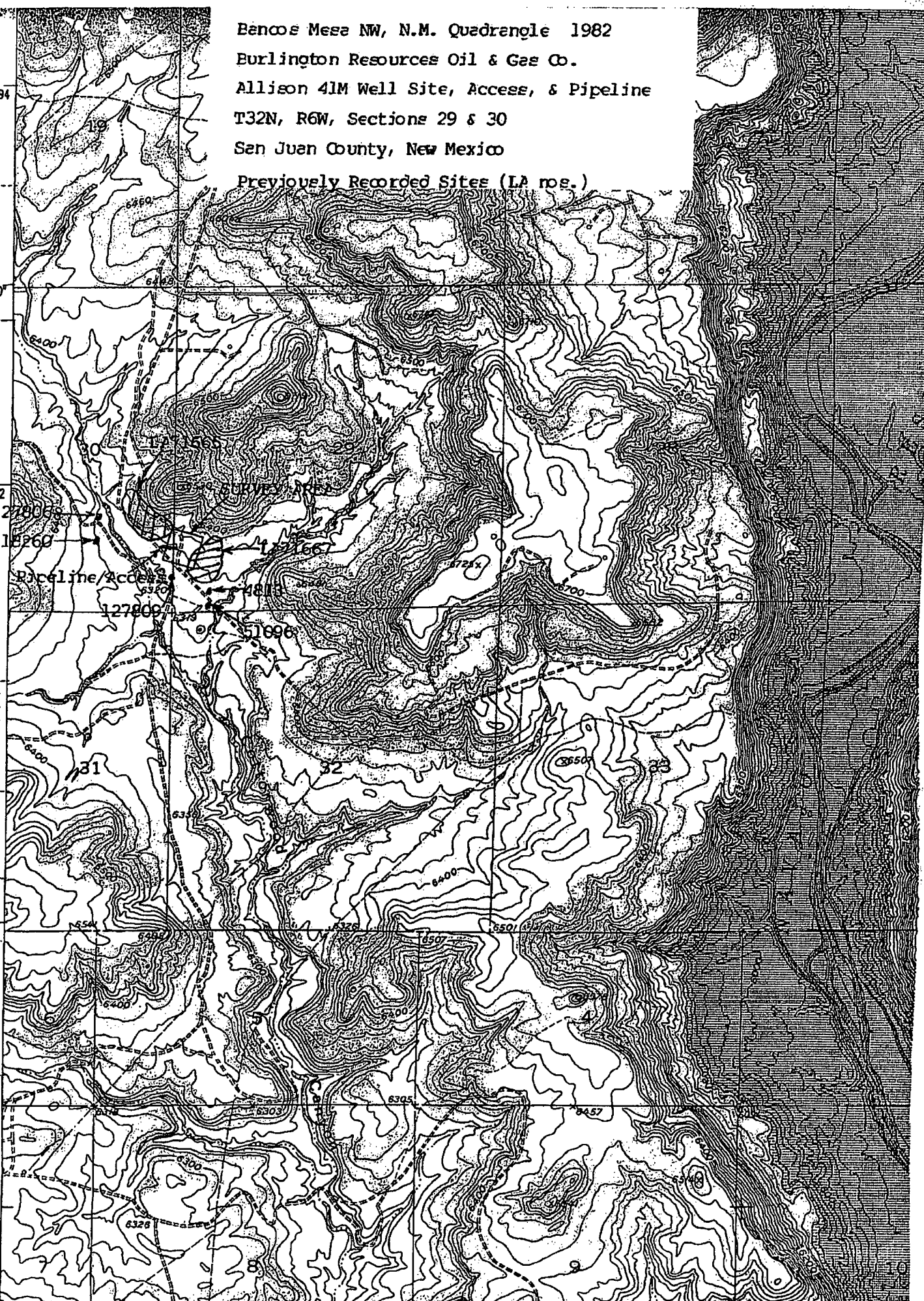
**APPENDIX I**  
**Previously Recorded Site Locations**

**Distance & Direction:**

LA4813 - 600' southeast  
LA51096 - 700' southeast  
LA71665 - 1-100' west  
LA71667 - edge of construction zone  
LA118260 - 1100' west  
LA127806 - 1200' west  
LA127809 - 300' south

Bancos Mesa NW, N.M. Quadrangle 1982  
Burlington Resources Oil & Gas Co.  
Allison 41M Well Site, Access, & Pipeline  
T32N, R6W, Sections 29 & 30  
San Juan County, New Mexico  
Previously Recorded Sites (LA nos.)

4094  
57°30'  
4092  
1278066  
118260  
4091  
4457 INE  
(BURNT MESA)  
4090  
T 32 N  
T 31 N  
4089  
55'  
4088



**APPENDIX II**  
**Project Survey Plats**

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

DISTRICT II  
1301 West Grand Avenue, Artesia, N.M. 88210

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

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

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 October 12, 2005

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

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

*APT Number		*Pool Code	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code	*Property Name ALLISON UNIT		*Well Number 41M
*OGRID No.	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 6348'

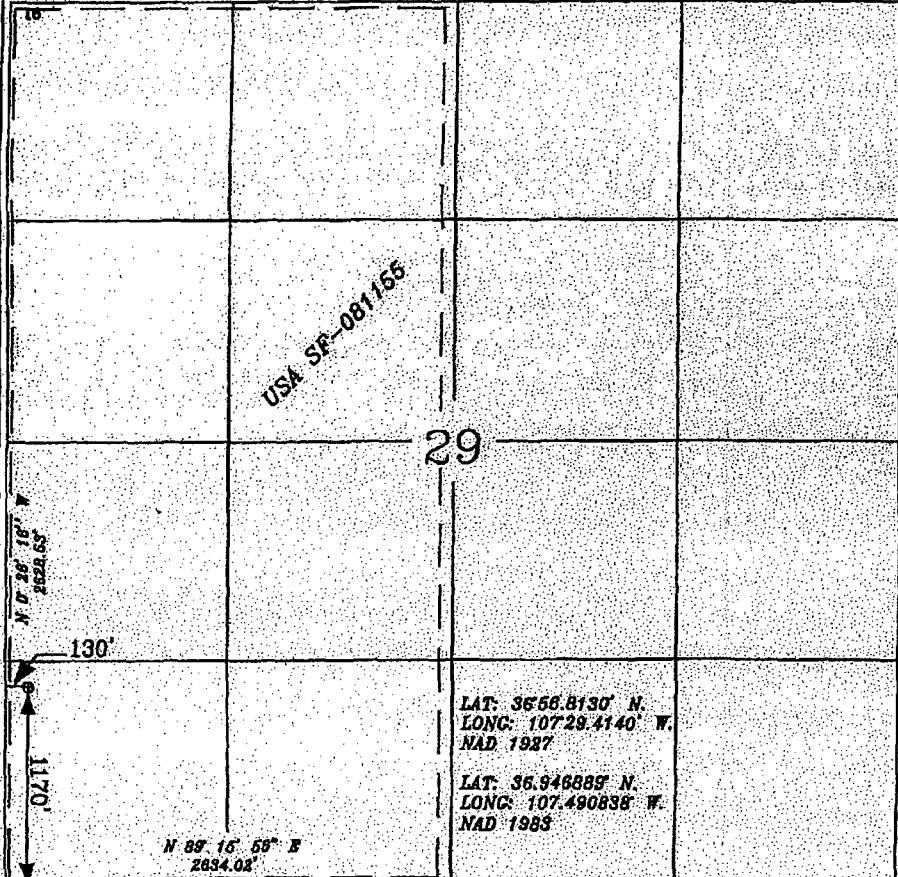
#### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	32-N	8-W		1170'	SOUTH	130'	WEST	SAN JUAN

#### 11 Bottom Hole Location If Different From Surface

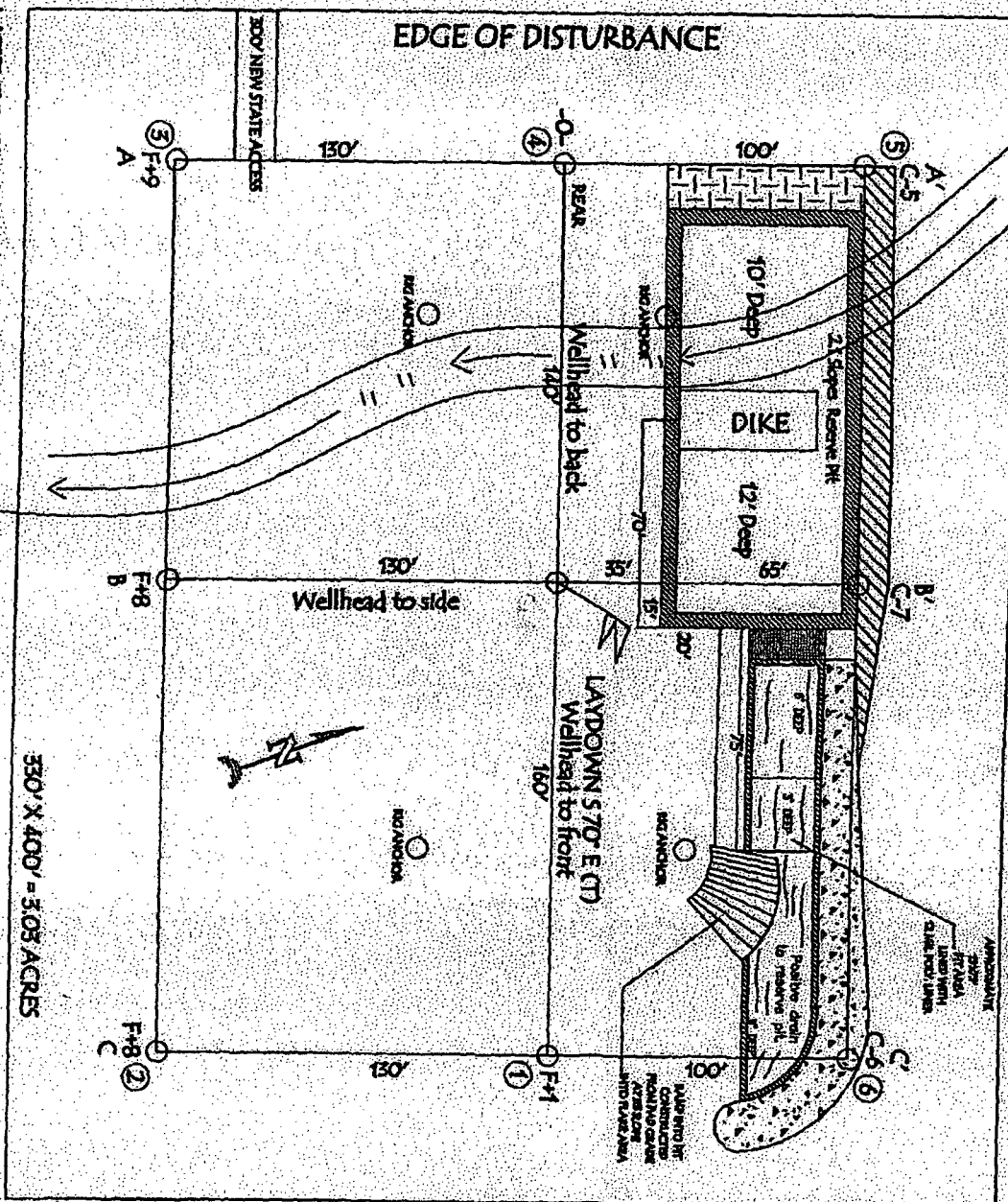
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres			*Joint or Infill		*Consolidation Code		*Order No.		

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

	<b>17 OPERATOR CERTIFICATION</b> 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 substantial 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature _____ Printed Name _____
	<b>18 SURVEYOR CERTIFICATION</b> 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.  10-31-07 Date of Survey Signature _____ GLEN W. RUSSELL NEW MEXICO LICENSED PROFESSIONAL SURVEYOR 15703 Certificate Number 15703

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**  
**ALLISON UNIT 41M, 1170' FSL & 130' FWL**  
**SECTION 29, T-32-N, R-6-W, NMPM, SAN JUAN COUNTY, NM**  
**GROUND ELEVATION: 6348', DATE: SEPTEMBER 19, 2007**

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

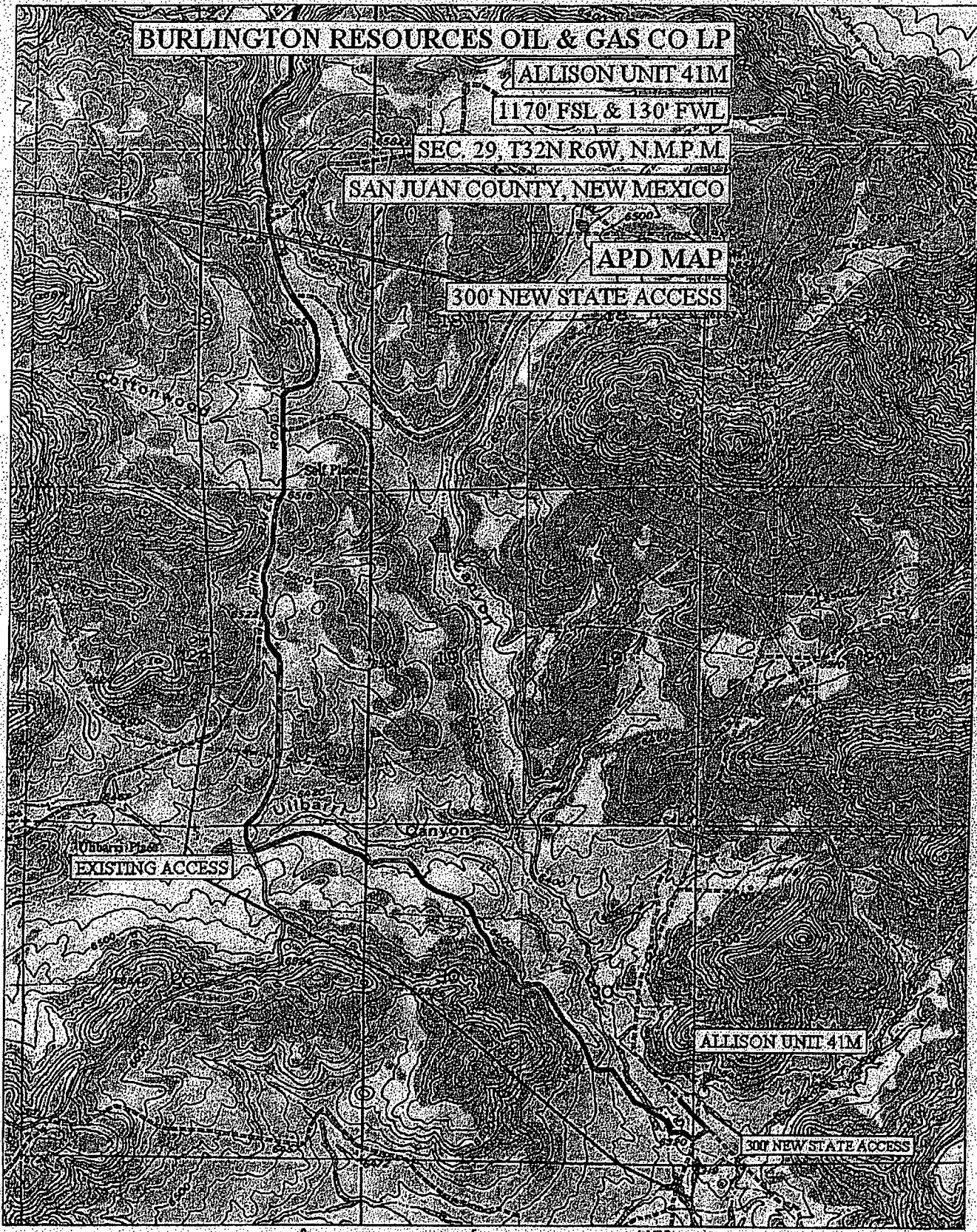


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.





0 1000 FEET 0 500 1000 METERS 1 MILE  
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