

Steve Hayden
New Mexico Oil Conservation Division
1000 Rio Brazos Rd
Aztec, New Mexico 87410

RECEIVED
AUG - 3 2001
CONSERVATION DIVISION

Re: Rosa 31B Non-Standard Dakota Location

Dear Steve,

As per our previous conversation I have re-evaluated the surface location for the Rosa 31B. After looking at the topo map, I agree that there looks like opportunities for Williams to move the surface location to the south east and put the well in a "standard location". Currently the well is "non-standard" by approximately 230'. I contacted the surveyors that originally staked the well and discussed alternate sites for the well pad. They informed me that they were very limited as to where they could put the well pad due to archaeology sites.

I then contacted Ann Chavez with Independent Contract Archaeology (ICA is under contract with Williams) and she confirmed that the northwest corner of section 17 is a very high density site area. I reviewed her site maps with her and we both agreed it would be very difficult to place a well pad in that particular area with out disturbing a site (*refer to Arch Map*). There are possible areas further to the east but then drainage to offset wells becomes an issue (*refer to Drainage Map*).

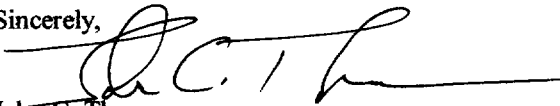
When I first reviewed this well for Williams it was my understanding the current well pad was picked to minimize Mesaverde drainage interference with the Rosa 80 and Rosa 30A. Since I was not involved with the initial site I was not aware of any archaeology sites or that they had been a consideration in picking the surface location. I apologize for not checking with the archeologist and sending in this information with the letter asking for administrative approval for a "non-standard" location.

To summarize: Williams is still requesting administrative approval for a non-standard Dakota location for the Rosa 31B at it's current proposed location (section 17 31N 5W - 570' fnl & 515' fwl) based on:

- a) Minimize the drainage interference with the Rosa 80 and Rosa 30A
- b) Avoid contact with archaeology sites within the area
- c) By itself, the Dakota (in this area) is at best very marginal economically and a dual completion helps capture additional reserves from the Dakota that otherwise would not be able to be economically developed.
- d) Utilizing a single well bore for a dual completion would also negate the need for additional disturbance of another well, ie. well pad, road, pipeline ROW, etc.

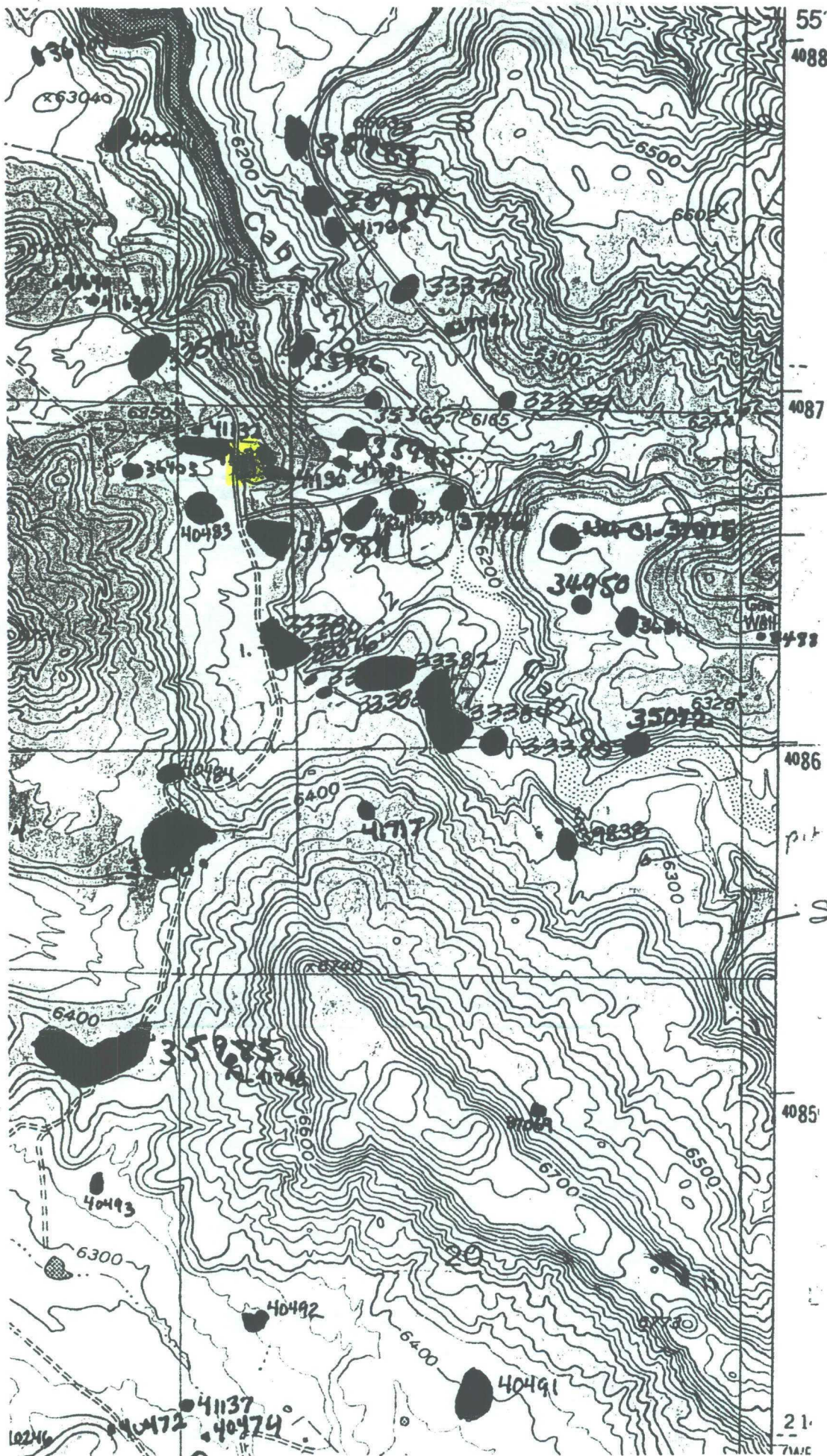
If you have any questions or concerns, please feel free to call me anytime.

Sincerely,


John C. Thompson
Engineer

Attachments: Archaeology Map & Drainage Map

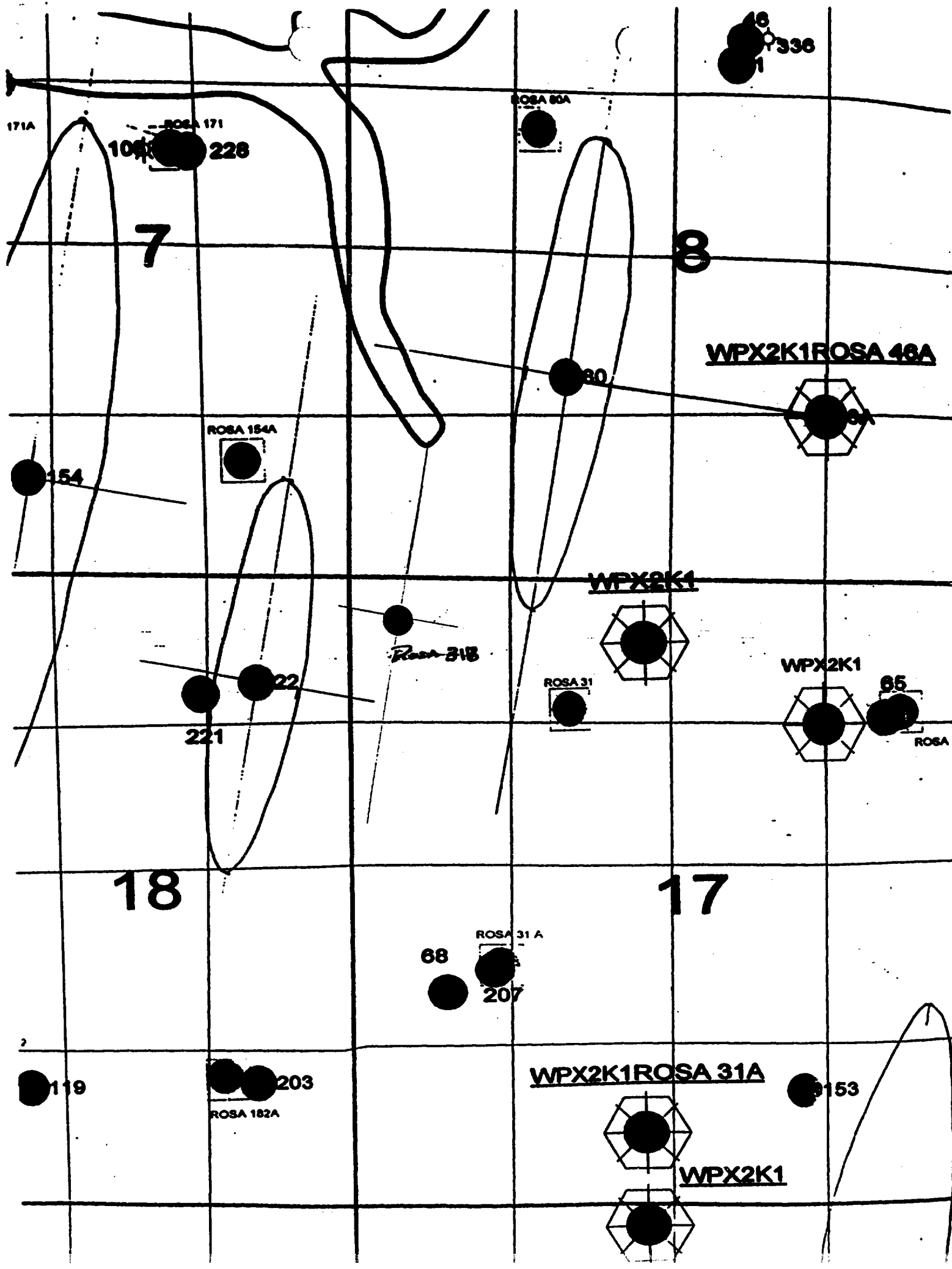
CC: Mike Stogner



■ = rosa 31B as
staked
● = documented
ark' site

section 17

pit



District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Dept.

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code 72319 / 71599		Pool Name Blanco Mesaverde / Basin Dakota	
Property Code 17033		Property Name ROSA UNIT			Well Number 318
OGRID No. 120782		Operator Name WILLIAMS PRODUCTION COMPANY			Elevation 6315'

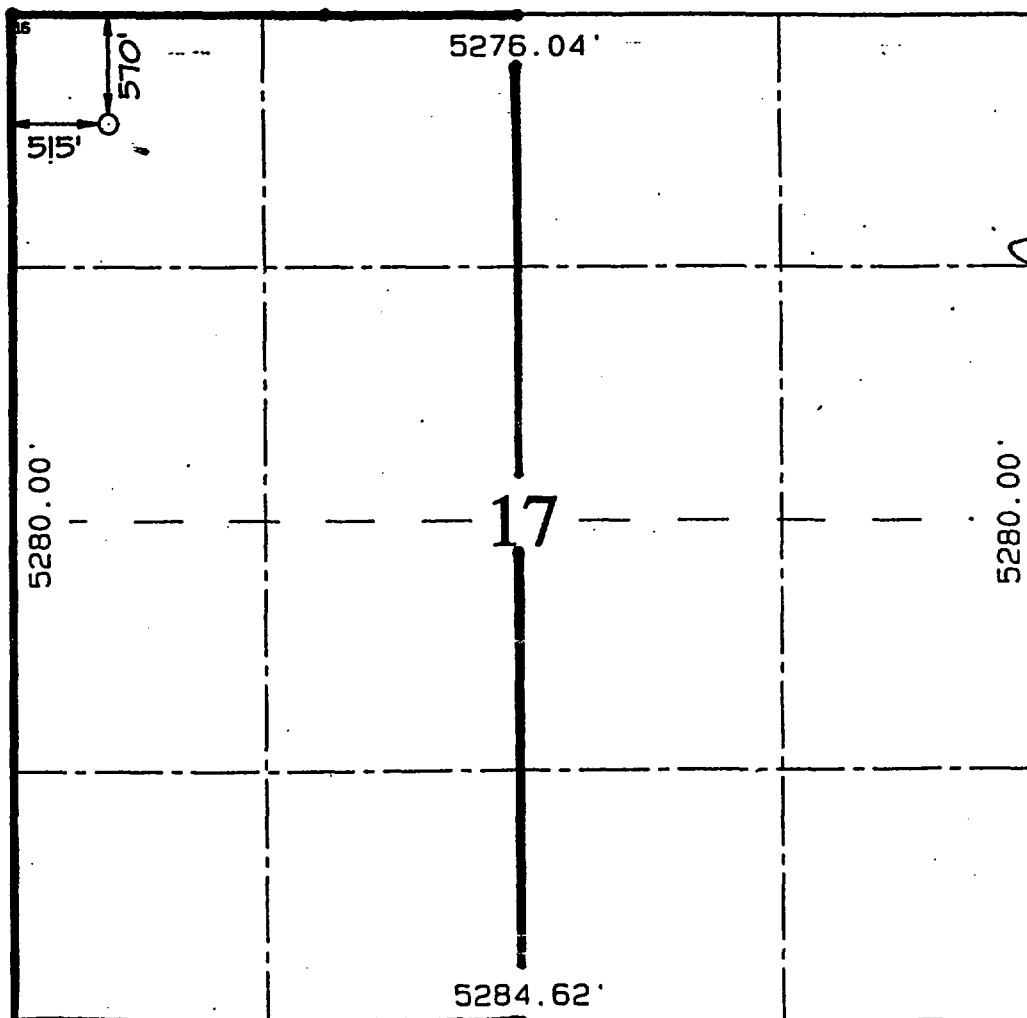
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	31N	5W		570	NORTH	515	WEST	RIO ARriba

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 320 - W/2		¹³ Joint or Infill I		¹⁴ Consolidation Code U		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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Steve Nelson
Signature
Steve Nelson
Printed Name -
Agent, Nelson Consulting
Title
April 2, 2001
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.

OCTOBER 17, 2000
Date of Survey
Signature and Seal

NEALE G. EDWARDS
NEW MEXICO
6857
Certificate Number 6857

Stogner, Michael

From: Hayden, Steven
Sent: Thursday, ~~August 02, 2001~~ 8:21 AM
To: Stogner, Michael
Cc: Ezeanyim, Richard
Subject: Rosa Unit #31B

Mike,

John Thompson came to see me yesterday concerning the NSL application for Williams' RU #31B well in D 17, T31N, R5W. He brought the archeology survey map (on topo base) from the BLM contractor and the MV elliptical drainage map. When you look at this wellsite from the perspective of all three reasons, I think the NSL is justified. He will be sending you copies of these.



Steve Hayden
NM OCD District III
1000 Rio Brazos Rd.
Aztec, NM 87410

shayden@state.nm.us
(505) 334-6178 Ext. 14
Fax: (505) 334-6170

Stogner, Michael

From: Hayden, Steven
Sent: Monday, July 02, 2001 7:29 AM
To: Stogner, Michael
Subject: RE: Williams Rosa Unit Dakota NSL apps.

Mike,

John checked it out and admits that topographically there is plenty of room for standard locations, but was informed that there were archeological reasons as well. He is going to check for any possible places to site a location in between and will get back to us with the rest of the story.

From: Stogner, Michael
Sent: Saturday, July 07, 2001 1:30 PM
To: Hayden, Steven
Subject: RE: Williams Rosa Unit Dakota NSL apps.

As you can see I finally got around to Williams's applications. However, I'm still holding the #31-B application pending this e-mail message and our telephone conversation on the 5th of June. As I understand you and John Thompson were going out to the field to look the terrain over.

From: Hayden, Steven
Sent: Tuesday, June 05, 2001 10:09 AM
To: Stogner, Michael
Cc: Ezeanyim, Richard
Subject: Williams Rosa Unit Dakota NSL apps.

Mike,

I have reviewed the Williams applications for NSLs submitted by Walsh Engineering and have brief comments on each one:

RU #44B, This location is a clear cut topographic necessity. It is the only place in the west half of Section 35 that is even accessible.

RU #149B, Based on the listed reasons of topography and drainage pattern fit for the Mesaverde, this location is reasonable.

RU #30B, The location is reasonable as a fit for the elliptical drainage pattern of the surrounding Mesaverde wells within the available usable topography.

RU # 8B, This seems to be a good fit for the existing and projected elliptical drainage pattern of adjoining Mesaverde wells.

RU #165B, Considering the presence of the canyon bottom/arroyo to the immediate east of this location, this is the best fit possible for the well with respect to the projected elliptical drainage pattern for the Mesaverde here.

RU #31B, This is a reasonable fit for the elliptical drainage pattern here in the Mesaverde, but I would question whether the pattern could not have been as well matched with a location south and a little east along the road shown on the topo sheet included in the application. I am sending a separate air photo that shows this location and surrounding area.

<<OLE Object: Image Document>>

Steve Hayden shayden@state.nm.us
NM OCD District III (505) 334-6178 Ext. 14
1000 Rio Brazos Rd. Fax: (505) 334-6170
Aztec, NM 87410

7-7-01

Stogner, Michael

To: Hayden, Steven
Subject: RE: Williams Rosa Unit Dakota NSL apps.

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

Steve talked w/

6-5-2001

John Thompson
and will be looking @

the RU #315 w/ respect to
topography.

Stogner, Michael

From: Hayden, Steven
Sent: Tuesday, June 05, 2001 10:06 AM
To: Stogner, Michael
Cc: Ezeanyim, Richard
Subject: Microsoft TerraServer Print Page

Mike this is a Terraserver air photo view of the area around the RU #31B to go with the email critique I am sending separately.



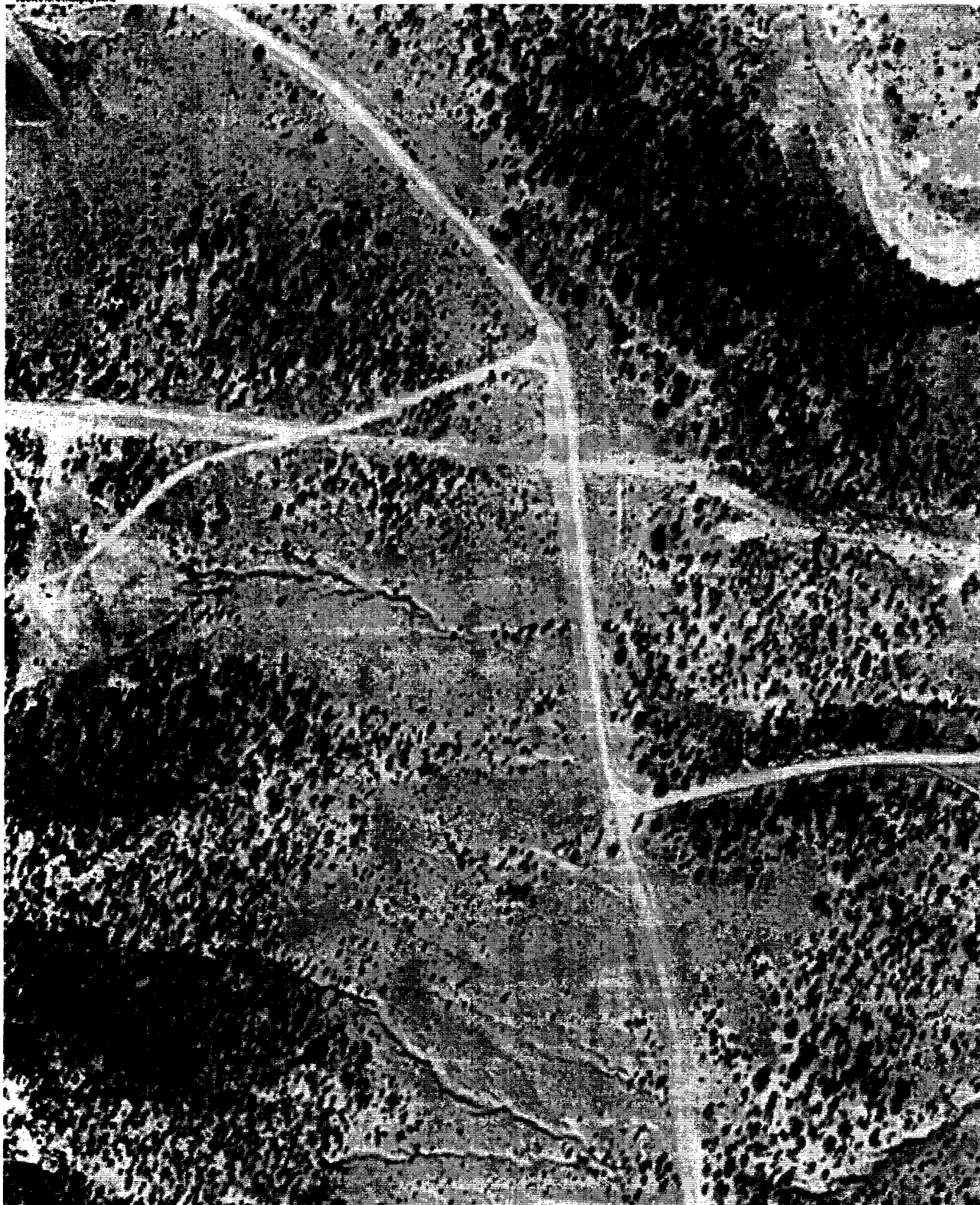
Microsoft TerraServer
Print Page.html

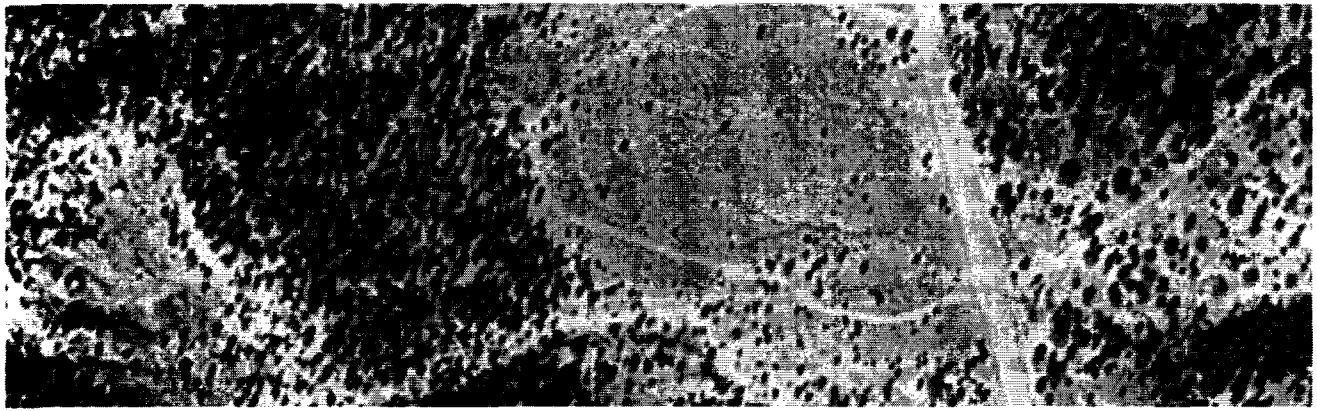
Microsoft TerraServer

Display Image

USGS Aerial Photograph

379 km SW of Denver, Colorado, United States 09 Oct 1997





0 100M

0 100yd

Image courtesy of the US Geological Survey.

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NM OCD District III
1000 Rio Brazos Rd.
Aztec, NM 87410

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Fax: (505) 334-6170

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 8705

5/16/01

Re: Non-Standard Dakota Locations

Dear Ms. Wrotenbery,

On March 25, 2001 Nelson Consulting, acting as an agent for Williams Production Company sent you paper work requesting administrative approval for constructing their BLM approved Mesaverde locations into dual Mesaverde/Dakota locations with the Dakota being non-standard.

Since this request was sent in, Walsh Engineering has been retained by Williams to help them coordinate the application process as well provide engineering services for their drilling and completion operations. Walsh Engineering has reviewed the paper work that was sent to you and feel that for clarity reasons, Williams Production should re-submit the requests with more detail as to why each location is non-standard in the Dakota.

Please find enclosed the administrative application and associated documents detailing the specifics for each location.

I hope that this helps to clear up some key points. If you have any questions or concerns, please contact me anytime.

Sincerely,

John C. Thompson
Engineer

5/24/01	6/13/01	MS	W	NSL
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115537241

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [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 - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ 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

MAY 24 2001

[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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

John C. Thompson
Print or Type Name

[Signature]
Signature

Engineer/Agent
Title

6/16/01
Date

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

Ms. Lori Wrotenberg
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 8705

April 14, 2001

Re: Request for Administrative approval for Non-Standard Dakota Location
Rosa Unit 31B (Sec 17/T31N/R5W, 570' fnl & 515' fwl, Rio Arriba County, New Mexico)

30-039-16579

Dear Ms. Wrotenberg,

Williams Production Company is requesting an administrative approval to construct the Rosa 31B as a dual Mesaverde/Dakota with the Dakota being non-standard. Williams has already been issued an APD for drilling a standard infill Mesaverde well by the BLM.

Williams intends to make the well a dual well thereby capturing the reserves from the Dakota with a single well bore. Originally, the surface location was picked by considering drainage from the offset Mesaverde wells and topography/archeology constraints. In this case, Williams picked their surface location in an attempt to minimize Mesaverde drainage interference with offset wells.

Therefore, the reasons for requesting administrative approval for a non-standard location are:

1. The current location was picked to minimize the drainage interference with the Rosa 80 and Rosa 30A (see attached map showing drainage patterns).
2. By itself, the Dakota (in this area) is at best very marginal economically and a dual completion helps capture additional reserves from the Dakota that otherwise would not be able to be economically developed.
3. Utilizing a single well bore for a dual completion would also negate the need for additional disturbance of another well, ie. well pad, road, pipeline ROW, etc.

As the Unit Operator of the Rosa Unit, Williams Production is the *only* offset operator, thereby this proposed non-standard location would not affect any other operators.

Please find attached a drilling plat with topographical map showing location, drainage map and a portion of the unit map showing where the well is located within the unit.

If you have any questions or concerns, please feel free to contact me anytime.

Sincerely,

John C. Thompson
Engineer

c:wpn/nsdkl30b

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

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Fee Lease - 3 Copies

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 72319 / 71599		3 Pool Name Blanco Mesaverde / Basin Dakota	
4 Property Code 17033		5 Property Name ROSA UNIT			6 Well Number 31B
7 GRID No. 120782		8 Operator Name WILLIAMS PRODUCTION COMPANY			9 Elevation 6315'

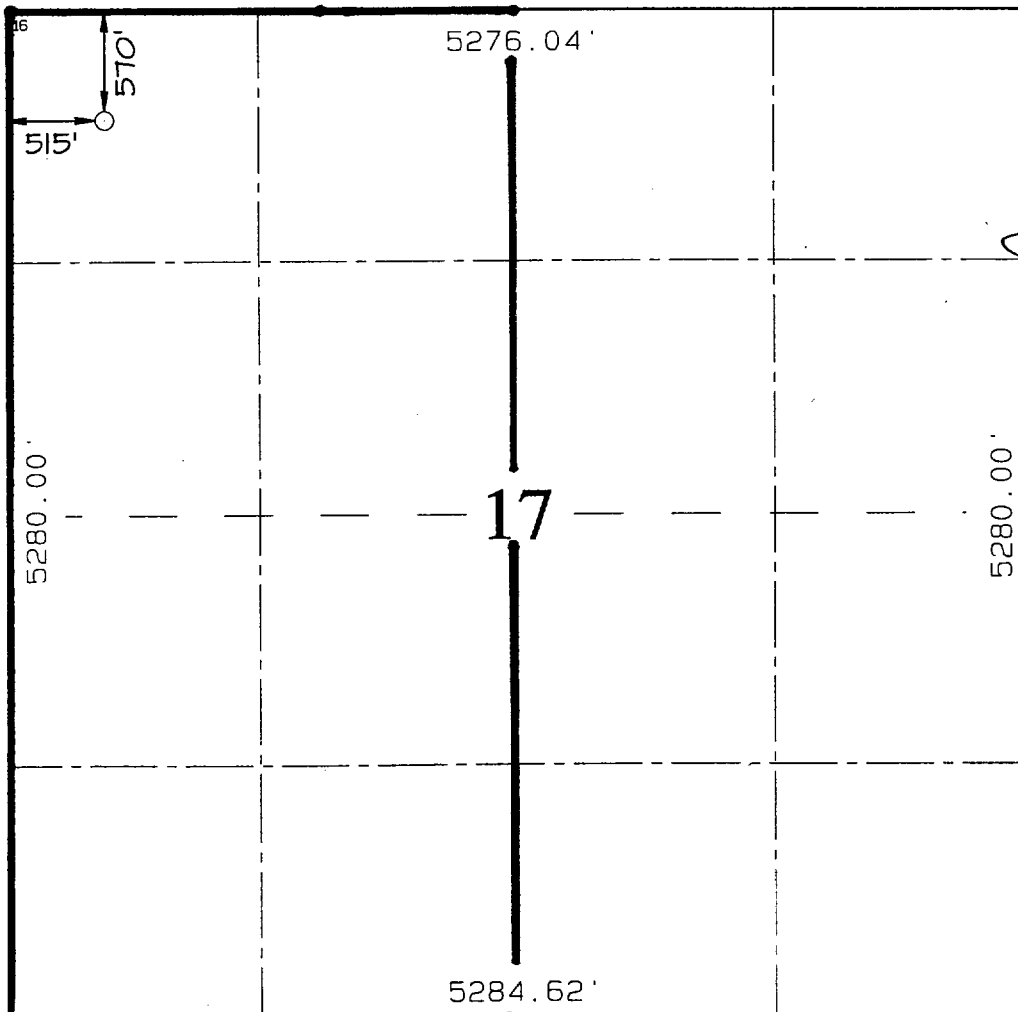
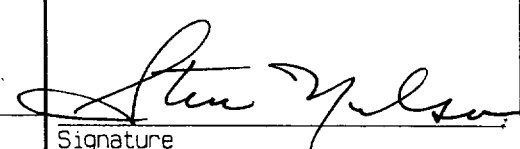
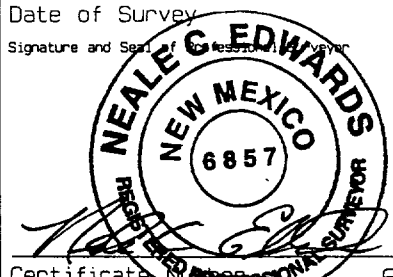
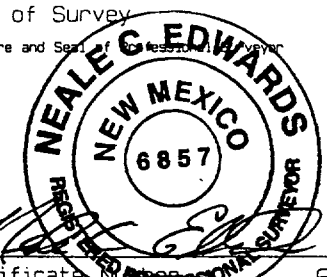
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	31N	5W		570	NORTH	515	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

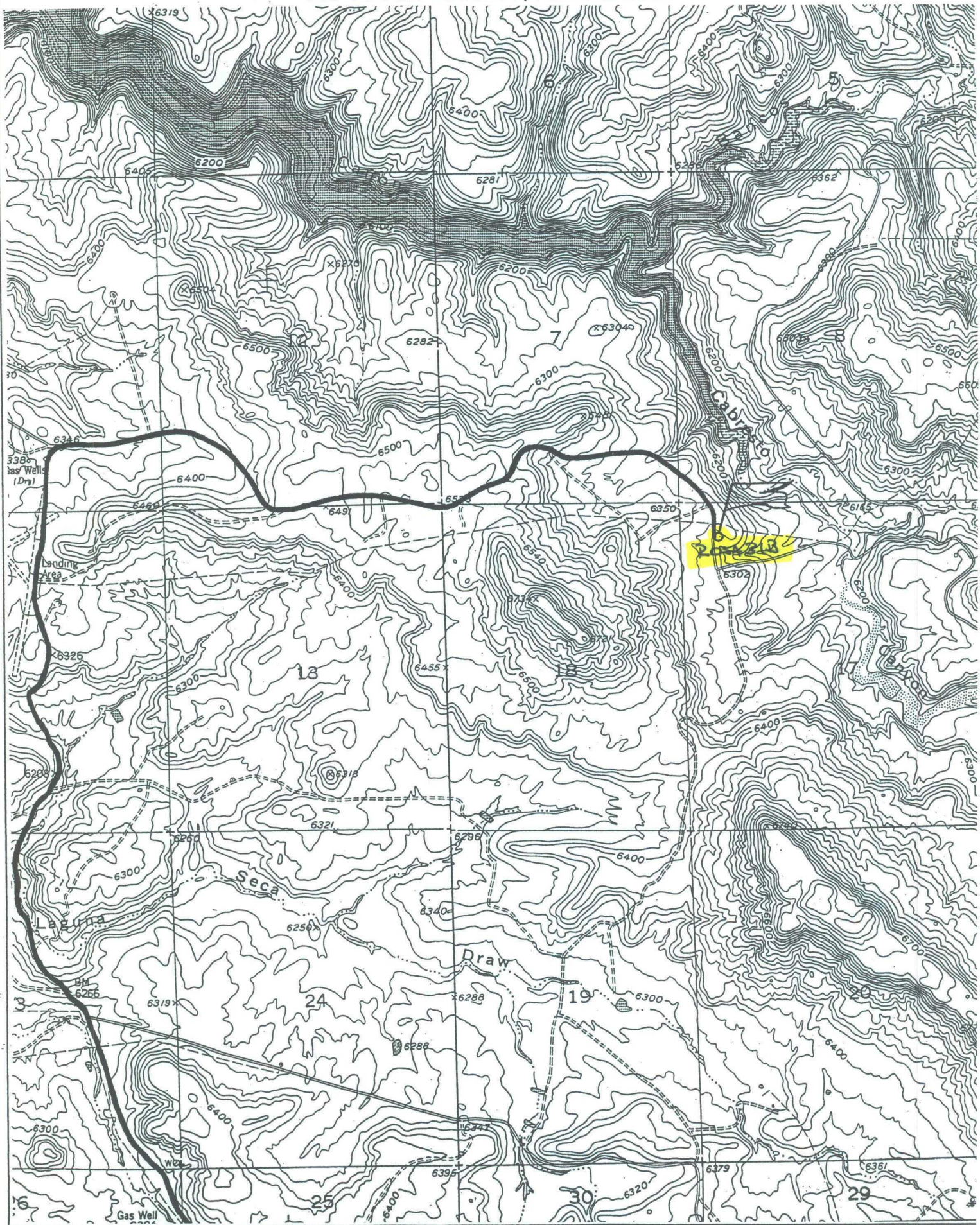
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320 - W/2		13 Joint or Infill I		14 Consolidation Code U		15 Order No.			

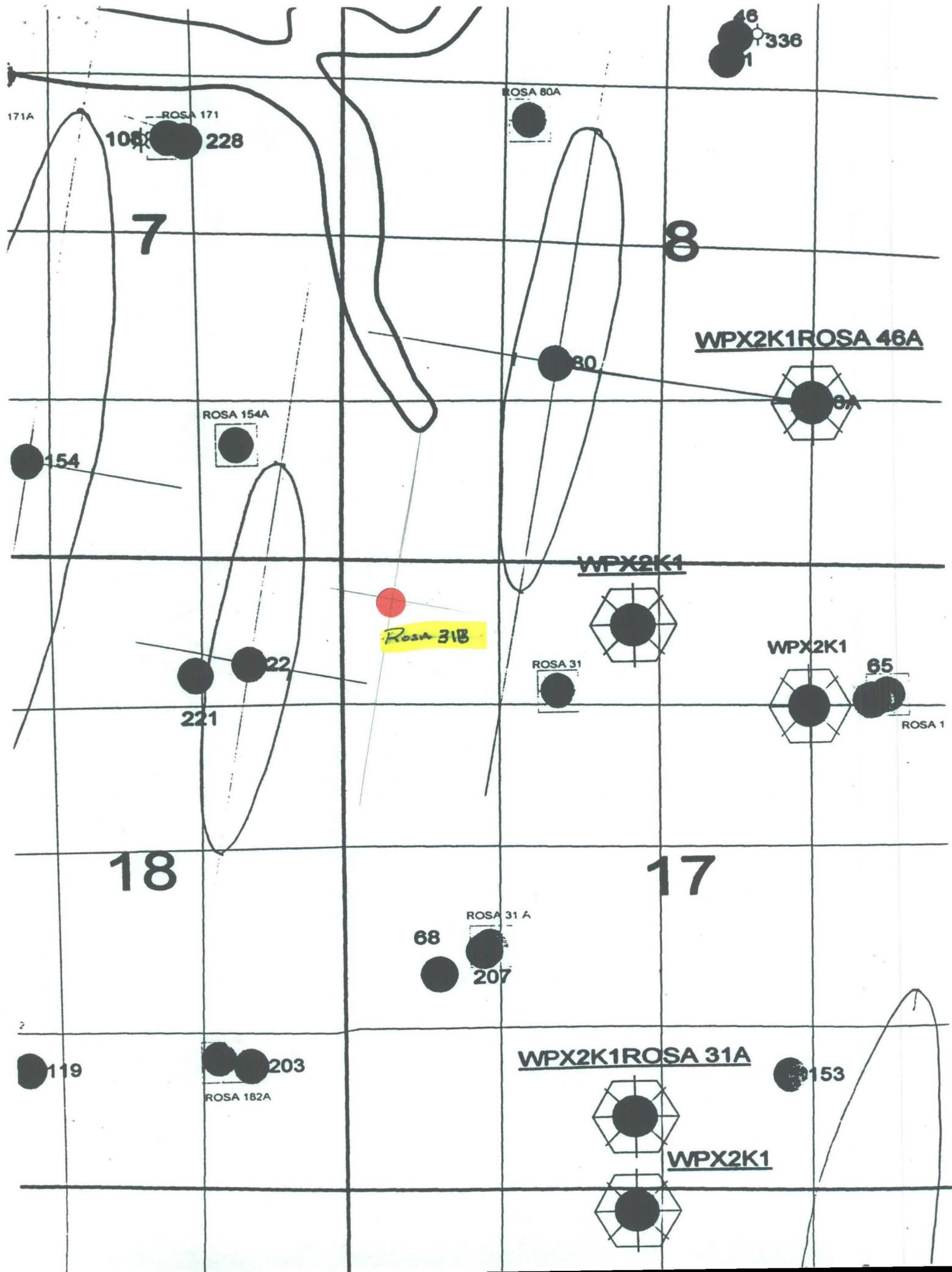
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		<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</p> <p></p> <p>Signature</p> <p>Steve Nelson</p> <p>Printed Name</p> <p>Agent, Nelson Consulting</p> <p>Title</p> <p>April 2, 2001</p> <p>Date</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>OCTOBER 17, 2000</p> <p>Date of Survey</p> <p></p> <p>Signature and Seal of Surveyor</p> <p></p> <p>Certificate Number 6857</p>	

WILLIAMS PRODUCTION COMPANY ROSA UNIT #31B

570' FNL & 515' FWL, SECTION 17, T31N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





Plat Map
Rosa Unit Well #31B
Sec. 17, T31N, R5W





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT



GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

May 22, 2001

Williams Production Company
One Williams Center
P. O. Box 3102, MS 37-4
Tulsa, Oklahoma 74101

Re: *Six administrative applications filed with the New Mexico Oil Conservation Division ("Division") for exceptions to the well location requirements provided within the "Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987, as amended, by Division Orders No. R-10987-B and R-10987-B (1), requesting authorization to drill the following six wells at unorthodox gas well locations within the Basin-Dakota Pool: (i) Rosa Unit Well No. 149-B (API No. 30-039-26599) to be drilled 1440' FNL & 335' FWL (Unit E) of Section 12, T-31-N, R-6-W; (ii) Rosa Unit Well No. 165-B (API No. 30-039-26557) to be drilled 1465' FNL & 225' FWL (Unit E) of Section 25, T-31-N, R-6-W; (iii) ~~Rosa Unit Well No. 31-B~~ (API No. 30-039-26579) to be drilled 570' FNL & 515' FWL (Unit D) of Section 17, T-31-N, R-5-W; (iv) Rosa Unit Well No. 44-B (API No. 30-039-26685) to be drilled 660' FNL & 2535' FWL (Unit C) of Section 35, T-32-N, R-6-W; (v) Rosa Unit Well No. 8-B (API No. 30-039-26632) to be drilled 2010' FNL & 2170' FWL (Unit F) of Section 26, T-31-N, R-6-W; and (vi) Rosa Unit Well No. 30-B (API No. 30-039-26601) to be drilled 20' FSL & 2360' FWL (Unit N) of Section 12, T-31-N, R-6-W: all in Rio Arriba County, New Mexico.*

To whom it may concern:

Williams Production Company filed these six administrative applications with no return address for the responsible individual. I am therefore forwarding/returning the attached material to the only address for Williams Production Company on record.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury
Cabinet Secretary

May 7, 2001

Lori Wrotenbery

Director

Oil Conservation Division

Steve Nelson
c/o Williams Production Company
One Williams Center
P. O. Box 3102
Tulsa, Oklahoma 74101

Re: Six administrative applications filed with the New Mexico Oil Conservation Division ("Division") for exceptions to the well location requirements provided within the "Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987, as amended, by Division Orders No. R-10987-B and R-10987-B (1), requesting authorization to drill the following six wells at unorthodox gas well locations within the Basin-Dakota Pool: (i) Rosa Unit Well No. 149-B (API No. 30-039-26599) to be drilled 1440' FNL & 335' FWL (Unit E) of Section 12, T-31-N, R-6-W; (ii) Rosa Unit Well No. 165-B (API No. 30-039-26557) to be drilled 1465' FNL & 225' FWL (Unit E) of Section 25, T-31-N, R-6-W; (iii) ~~Rosa Unit Well No. 31-B (API No. 30-039-26579) to be drilled 570' FNL & 515' FWL (Unit D) of Section 17, T-31-N, R-6-W;~~ (iv) Rosa Unit Well No. 44-B (API No. 30-039-26685) to be drilled 660' FNL & 2535' FWL (Unit C) of Section 35, T-32-N, R-6-W; (v) Rosa Unit Well No. 8-B (API No. 30-039-26632) to be drilled 2010' FNL & 2170' FWL (Unit F) of Section 26, T-31-N, R-6-W; and (vi) Rosa Unit Well No. 30-B (API No. 30-039-26601) to be drilled 20' FSL & 2360' FWL (Unit N) of Section 12, T-31-N, R-6-W: all in Rio Arriba County, New Mexico.

Dear Mr. Nelson:

I have reviewed the above-described applications and discussed the merits of each with the technical staff of the Division's Aztec district office. These applications are hereby found to be inadequate, unjustified, and unwarranted. Please be further advised that:

- (1) with the inception of Division Order No. R-10987-B, issued in Case No. 12290 and dated June 30, 2000, as amended by Division Order No. R-10987-B (1), dated August 10, 2000, most operators have been given an additional 28.10 acres on the surface within a single quarter section to locate Dakota gas wells at a location considered to be standard;
- (2) review of the Division's records indicate that the deeper Dakota interval appears to have been an afterthought in each well, all of which had approved APD's ("Application for Permit to Drill") to the shallower Mesaverde interval at locations considered to be standard for the Blanco-Mesaverde Pool (which pool has the most relaxed set back requirements of any producing horizon in the State of New Mexico); and

Williams Production Company

May 7, 2001

Page 2

- (3) in instances where a single wellbore is to be utilized in more than one producing horizon, the operator is expected to drill that well at a location considered to be standard for all intended zones and not just one of the intended formations with the expectation that this is reason enough for approval.

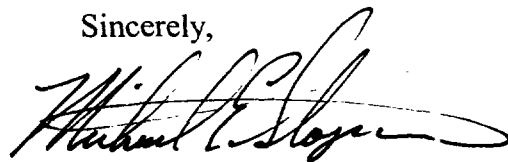
The rules governing the Basin-Dakota Pool were established and modified over time in order to assure orderly development and to maximize recovery of gas reserves in this pool. Not only was the Division involved in creating and establishing operating procedures for this pool, many industry personnel representing various producers spent a tremendous amount of time determining the optimal method and procedures for all to operate in order to prudently develop this prolific reservoir in a manner that does not cause waste nor violate correlative rights.

Pool rules are serious matters for the purpose of orderly development of New Mexico's valuable oil and gas resources. It is very easy to get into a mode of thinking that considers these rules as minor inconveniences and applications for exceptions as "open and shut" issues. Given the poor quality of these applications I detect that that might be occurring at Williams Production Company. As I understand from Mr. Frank Chaves, Supervisor of the Division Aztec district office, this is not the relationship that they are used to experiencing with your company.

~~These six applications are hereby denied~~ and are being returned to you at this time.

Should Williams Production Company wish to pursue these applications, a hearing in Santa Fe before a duly appointed examiner will be required.

Sincerely,



Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
Kathy Valdes, NMOCD – Santa Fe
Ms. Lori Wrotenbery, Director - NMOCD, Santa Fe

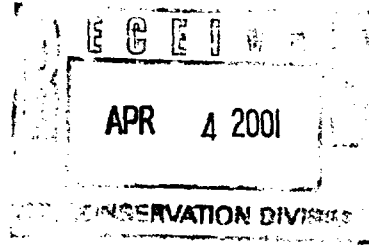
109635851

NSL

4/24/01

March 25, 2001

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505



Re: Non-Standard Location for the Rosa Unit 31B, 570' FNL, 515' FWL, (30-039-26579)
Section 17, T31N, R5W, NMPN, Rio Arriba County, NM, Dakota Formation.

Dear Ms. Wrotenbery:

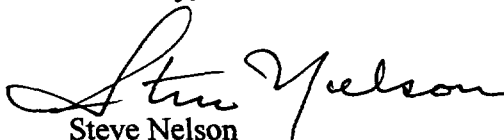
According to rule 104.c(2)(a) Williams Production Company hereby requests an Administrative Approval for a non-standard location in the Basin Dakota pool for the referenced well. The proposed well would be a dual formation Mesa Verde pool (standard location) and a non-standard Dakota pool. The proposed spacing unit is the west half of Section 17 T31N, R5W, which is 320 acres, but due to topography is outside the boundaries of the Dakota pool, but within the boundary of the infill Mesa Verde pool. The reasons for the request is topographical (the terrain would require larger cuts and fills), and the poor economics of a stand alone Dakota well.

The Bureau of Land Management-Farmington Field Office issued a APD to us on 2-16-01 a APD application for a stand alone Mesa Verde pool well. If this is a feasible request for OCD to consider, then a Sundry Notice would be filed with BLM. Presently, BLM will not issue a Sundry Notice until an Administrative Approval has been granted.

As the Unit Operator of the Rosa Unit, Williams Production is the only offset operator. Attached is a plat indicating the well location and proposed spacing unit.

Thank you for your consideration and approval of this application. If you have any questions, please do not hesitate to call me at (505) 327-6331.

Sincerely,


Steve Nelson
President, Nelson Consulting

CC: BLM-FFO
NMOCD, Aztec, NM

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name
		72319 / 71599	Blanco Mesaverde / Basin Dakota
*Property Code	*Property Name		*Well Number
17033	ROSA UNIT		31B
*OGRID No.	*Operator Name		*Elevation
120782	WILLIAMS PRODUCTION COMPANY		6315'

¹⁰ Surface Location


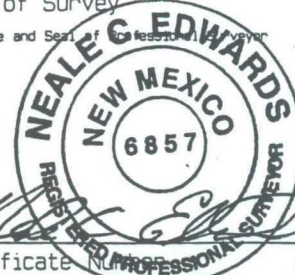
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	31N	5W		570	NORTH	515	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

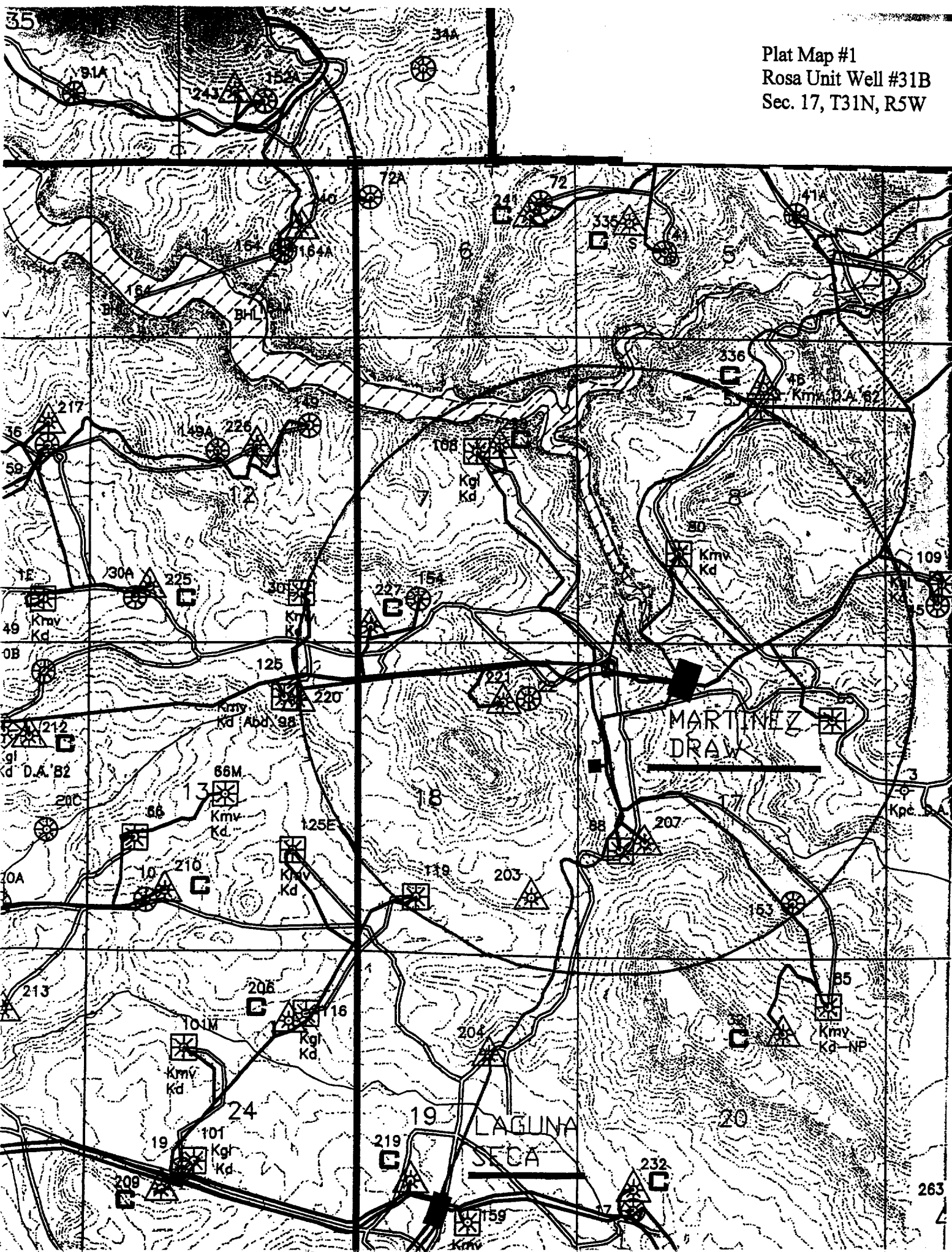
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320 - W/2	I	U	

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</p> <p><i>Steve Nelson</i></p> <p>Signature</p> <p>Steve Nelson</p> <p>Printed Name</p> <p>Agent, Nelson Consulting</p> <p>Title</p> <p>April 2, 2001</p> <p>Date</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>OCTOBER 17, 2000</p> <p>Date of Survey</p> <p>Signature and Seal of the Surveyor</p> <p></p> <p>Certificate Number 6857</p>
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Plat Map #1
Rosa Unit Well #31B
Sec. 17, T31N, R5W

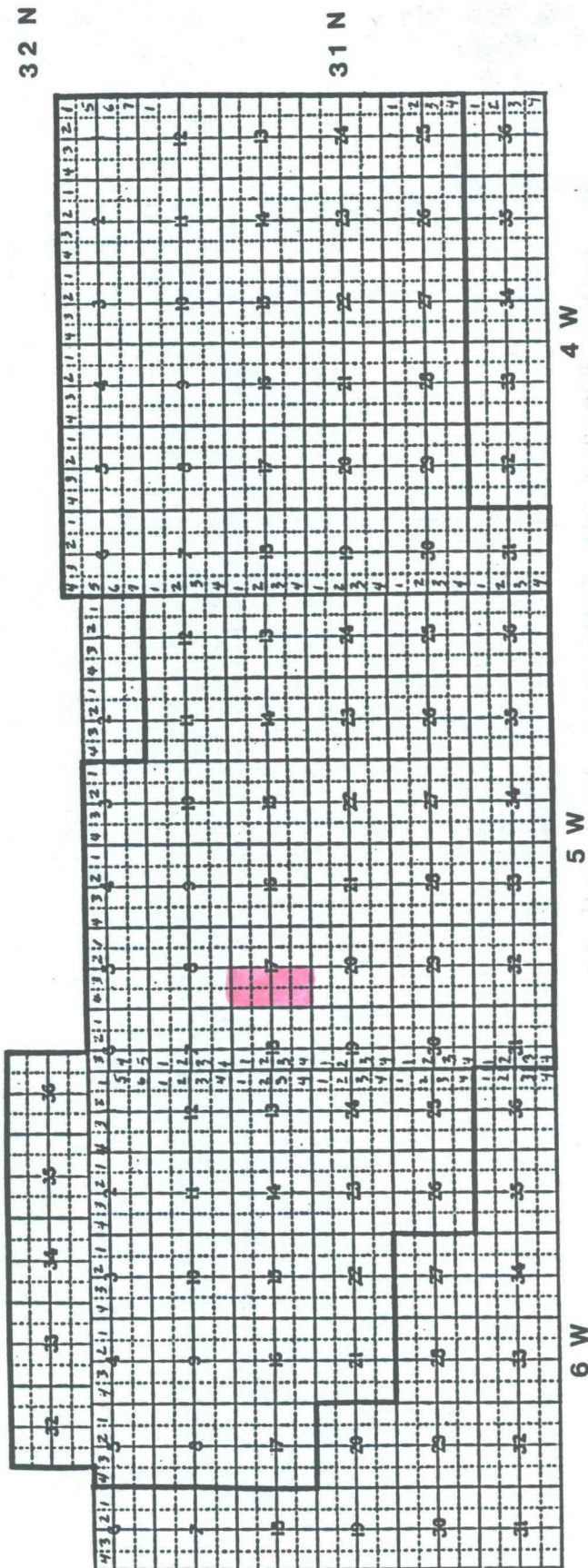


ROSA

RIO ARRIBA & SAN JUAN COUNTIES
NEW MEXICO

No. I-SEC. No. 587

EFFECTIVE 6-24-48



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/05/01 11:45:53
OGOMES -TPEF
PAGE NO: 1

Sec : 17 Twp : 31N Rng : 05W Section Type : NORMAL

D 40.00 Federal owned U A	C 40.00 Federal owned U C A	B 40.00 Federal owned U	A 40.00 Federal owned U A A
E 40.00 Federal owned U	F 40.00 Federal owned U	G 40.00 Federal owned U	H 40.00 Federal owned U

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/05/01 11:45:57
OGOMES -TPEF
PAGE NO: 2

Sec : 17 Twp : 31N Rng : 05W Section Type : NORMAL

L 40.00 Federal owned U A A A	K 40.00 Federal owned U	J 40.00 Federal owned U	I 40.00 Federal owned U
M 40.00 Federal owned U	N 40.00 Federal owned U A	O 40.00 Federal owned U A	P 40.00 Federal owned U

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

05/05/01 11:47:02
OGOMES -TPEF

API Well No : 30 39 26279 Eff Date : 07-28-2000 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 120782 WILLIAMS PRODUCTION COMPANY, LLC
Prop Idn : 17033 ROSA UNIT

Well No : 031
GL Elevation: 6201

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : C	17	31N	05W	FTG 1080 F N	FTG 1795 F W		P

Lot Identifier:
Dedicated Acre: 320.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 05/05/01 11:47:16
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPEE
Page No : 1

API Well No : 30 39 26279 Eff Date : 07-21-2000
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
Prop Idn : 17033 ROSA UNIT Well No : 031
Spacing Unit : 53391 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	C		17	31N	05W	40.00	N	FD		
	D		17	31N	05W	40.00	N	FD		
	E		17	31N	05W	40.00	N	FD		
	F		17	31N	05W	40.00	N	FD		
	K		17	31N	05W	40.00	N	FD		
	L		17	31N	05W	40.00	N	FD		
	M		17	31N	05W	40.00	N	FD		
	N		17	31N	05W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

CMD : ONGARD 05/05/01 11:47:26
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPEF
 Page No: 1

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 39 26279 Report Period - From : 01 2000 To : 04 2001

API Well No	Property Name	Prod. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 39 26279	ROSA UNIT	08 00					
30 39 26279	ROSA UNIT	09 00					S
30 39 26279	ROSA UNIT	10 00					S
30 39 26279	ROSA UNIT	11 00	28	12057			F
30 39 26279	ROSA UNIT	12 00	31	12445			F
30 39 26279	ROSA UNIT	01 01	26	10324			F
30 39 26279	ROSA UNIT	02 01	16	8541		75	F

Reporting Period Total (Gas, Oil) : 43367 75

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 05/05/01 11:48:02
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPEI

API Well No : 30 39 22123 Eff Date : 03-01-1995 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 120782 WILLIAMS PRODUCTION COMPANY, LLC
Prop Idn : 17033 ROSA UNIT

Well No : 968
GL Elevation: 6311

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : L	17	31N	05W	FTG 1850 F S	FTG 790 F W	P	

Lot Identifier:

Dedicated Acre: 320.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 05/05/01 11:48:08
 OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPEF
 Page No : 1

API Well No : 30 39 22123 Eff Date : 04-30-1991
 Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
 Prop Idn : 17033 ROSA UNIT Well No : 068
 Spacing Unit : 30923 OCD Order : Simultaneous Dedication:
 Sect/Twp/Rng : Acreage : 320.00 Revised C102? (Y/N) :
 Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	C	17	31N	05W	40.00	N	FD			
	D	17	31N	05W	40.00	N	FD			
	E	17	31N	05W	40.00	N	FD			
	F	17	31N	05W	40.00	N	FD			
	K	17	31N	05W	40.00	N	FD			
	L	17	31N	05W	40.00	N	FD			
	M	17	31N	05W	40.00	N	FD			
	N	17	31N	05W	40.00	N	FD			

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/WELL

05/05/01 11:48:18
OGOMES -TPEI
Page No: 1

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
API Well No : 30 39 22123 Report Period - From : 01 2000 To : 04 2001

API Well No		Property Name		Prod. Days		Production Volumes		Well
				MM/YY	Prod	Gas	Oil	Water Stat
30	39 22123	ROSA UNIT		01 00	29	26		F
30	39 22123	ROSA UNIT		02 00	29	20		F
30	39 22123	ROSA UNIT		03 00	29	13		F
30	39 22123	ROSA UNIT		04 00	22	14		F
30	39 22123	ROSA UNIT		05 00	21	12		F
30	39 22123	ROSA UNIT		06 00	30	11		F
30	39 22123	ROSA UNIT		07 00	31	2		F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/WELL

05/05/01 11:48:21
OGOMES -TPEE
Page No: 2

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
API Well No : 30 39 22123 Report Period - From : 01 2000 To : 04 2001

API Well No		Property Name	Prodn. Days		Production Volumes			Well
			MM/YY	Prod	Gas	Oil	Water	Stat
30	39 22123	ROSA UNIT	08 00	31	12			F
30	39 22123	ROSA UNIT	09 00	30	22			F
30	39 22123	ROSA UNIT	10 00	26	71			F
30	39 22123	ROSA UNIT	11 00	18	231			F
30	39 22123	ROSA UNIT	12 00	3	36			F
30	39 22123	ROSA UNIT	01 01	1	8			F
30	39 22123	ROSA UNIT	02 01	1	25			F

Reporting Period Total (Gas, Oil) : 503

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM

PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

05/05/01 11:48:44
OGOMES -TPEF

API Well No : 30 39 26346 Eff Date : 07-21-2000 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 120782 WILLIAMS PRODUCTION COMPANY, LLC
Prop Idn : 17033 ROSA UNIT

Well No : 031A
GL Elevation: 6311

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : L	17	31N	05W	FTG 2065 F S	FTG 1210 F W		P

Lot Identifier:
Dedicated Acre: 320.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6ACRE

ONGARD
C102-DEDICATE ACREAGE

05/05/01 11:48:53
OGOMES -TPEF
Page No : 1

API Well No : 30 39 26346 Eff Date : 07-21-2000
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
Prop Idn : 17033 ROSA UNIT
Spacing Unit : 53391 OCD Order :
Sect/Twp/Rng : Acreage : 320.00
Dedicated Land:

Well No : 031A
Simultaneous Dedication:
Revised C102? (Y/N) :

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	C		17	31N	05W	40.00	N	FD		
	D		17	31N	05W	40.00	N	FD		
	E		17	31N	05W	40.00	N	FD		
	F		17	31N	05W	40.00	N	FD		
	K		17	31N	05W	40.00	N	FD		
	L		17	31N	05W	40.00	N	FD		
	M		17	31N	05W	40.00	N	FD		
	N		17	31N	05W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 05/05/01 11:49:00
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPEE
 Page No: 1

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 39 26346 Report Period - From : 01 2000 To : 04 2001

API Well No	Property Name	Prod. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 39 26346	ROSA UNIT	08 00					
30 39 26346	ROSA UNIT	09 00					S
30 39 26346	ROSA UNIT	10 00					S
30 39 26346	ROSA UNIT	11 00	30	18313			F
30 39 26346	ROSA UNIT	12 00	31	11968			F
30 39 26346	ROSA UNIT	01 01	27	10757		50	F
30 39 26346	ROSA UNIT	02 01	22	8965		80	F

Reporting Period Total (Gas, Oil) : 50003 130

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 05/05/01 11:46:40
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPEE

OGRID Idn : 120782 API Well No: 30 39 25579 APD Status(A/C/P): C
Opr Name, Addr: WILLIAMS PRODUCTION COMPANY, LLC Aprvl/Cncl Date : 05-23-1996
PO BOX 58900
SALT LAKE CITY,UT 84158-0900

Prop Idn: 17033 ROSA UNIT Well No: 31

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn : C	17	31N	05W				FTG 1080 F N	FTG 1795 F W
OCD U/L : C		API	County	39				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6201

State Lease No: Multiple Comp (S/M/C) : N
Prpsd Depth : 5915 Prpsd Frmtn : BLANCO MV (ABL 3-19-99)

E6927: Well is cancelled

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 05/05/01 11:46:11
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPEE

OGRID Idn : 120782 API Well No: 30 39 26579 APD Status(A/C/P): A
Opr Name, Addr: WILLIAMS PRODUCTION COMPANY, LLC Aprvl/Cncl Date : 02-16-2001
PO BOX 58900
SALT LAKE CITY,UT 84158-0900

Prop Idn: 17033 ROSA UNIT Well No: 31 B

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn : D	17	31N		05W			FTG 570 F N	FTG 515 F W
OCD U/L : D		API	County :	39				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6315

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : 6077 Prpsd Frmtn : BLANCO MESAVERDE

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 05/05/01 11:49:19
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPEE

OGRID Idn : 120782 API Well No: 30 39 26578 APD Status(A/C/P): A
Opr Name, Addr: WILLIAMS PRODUCTION COMPANY, LLC Aprvl/Cncl Date : 03-13-2001
PO BOX 58900
SALT LAKE CITY,UT 84158-0900

Prop Idn: 17033 ROSA UNIT Well No: 31 C

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
Surface Locn	: N	17	31N	05W			FTG 610 F S	FTG 2405 F W
OCD U/L	: N		API County	: 39				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6469

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : 6246 Prpsd Frmtn : BLANCO MESAVERDE

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

ROW/APD

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒

DEEPEN ☐

b. Type of Well

Oil Well ☐ Gas Well ☒ Other ☐

Single Well ☒ Multiple Zone ☐

2. Name of Operator

Williams Production Company

3. Address and Telephone No

P.O. Box 3102, MS 37-2, Tulsa, OK. 74101

4. Location of Well (Footages)

At Surface

570' FNL 515' FWL, NWNW

proposed prod. zone

14. Distance in Miles and Directions from Nearest Town or Post Office

Approximately 20.9 miles northeast of Navajo Dam Post Office (straight line)

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 570'

16. No. of Acres in Lease

2560.0 acres

17. No. of Acres Assigned to This Well

320 acres, W/2

18. Distance from Proposed Location to Nearest Well Drilling, Completed,

or Applied for, on this Lease, FT 1415'

19. Proposed Depth

6077' KB

20. Rotary or Cable Tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc)

6315' GR

22. Approximate Date Work will Start

April 1, 2001

5. Lease Designation and Serial No.
SF-078769

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
RU-#31B

9. API Well No.

30-039-26579

10. Field and Pool, or Exploratory Area
Blanco-Mesa Verde

11. Sec., T., R., M., or BLK.
and Survey or Area

D Section 17, T31N, R5W

12. County or Parish
Rio Arriba

13. State
NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K-55	500'	255 sx-352 cu ft Type III
8-3/4"	7"	20# K55	3662'	415 sx-863 cu ft Type III 170sx-238 cu ft Type III
6-1/4"	4-1/2"	10.5# K55	3562'-6077'	80sx-116 cu ft 190sx-271 cu ft Class H + 50/50 poz+4%gel

Williams Production Co. proposes to drill a vertical well to develop the Blanco Mesa Verde Formation in the described location above, and in accordance with the attached Operation and Surface Use plans. The surface is under the jurisdiction of the BLM-Farmington Field Office. Independent Contract Archaeology has surveyed the proposed location for Cultural Resources, and the report has been submitted to BLM for review.

This proposed well would not require the construction of a new access road (see Pipeline & Well Plats #3 and #4). The proposed 147-foot long pipeline would tie into the Williams Gas Gathering System on the Rosa Unit #68 pipeline. This proposed well pipeline tie would follow and utilize an existing gas field road (see the attached Pipeline Plat Map # 4).

This action is subject to technical and procedural review pursuant to 43 CFR 3169.3, and appeal pursuant to 43 CFR 3169.4.

OPERATIONS AUTHORIZED ARE
IN ACCORDANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

8. Above signed and dated proposal to deepen, give present productive zone and proposed new productive zone.

Signed Steve Nelson Title Agent

COPIES: BLM+4, WELL FILE+1
Date November 27, 2000

(This space for Federal or State office use)

Permit No.

Approval Date

Application approval does not warrant or certify that applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any:

/s/ Jim Lovato

NMOCB

APPROVED BY:

TITLE

DATE

FEB 16 2001

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

District IV
PO Box 2088, Santa Fe, NM 87504-2088

75 NOV 21 2000 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-76579		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 31B
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6315'

¹⁰ Surface Location

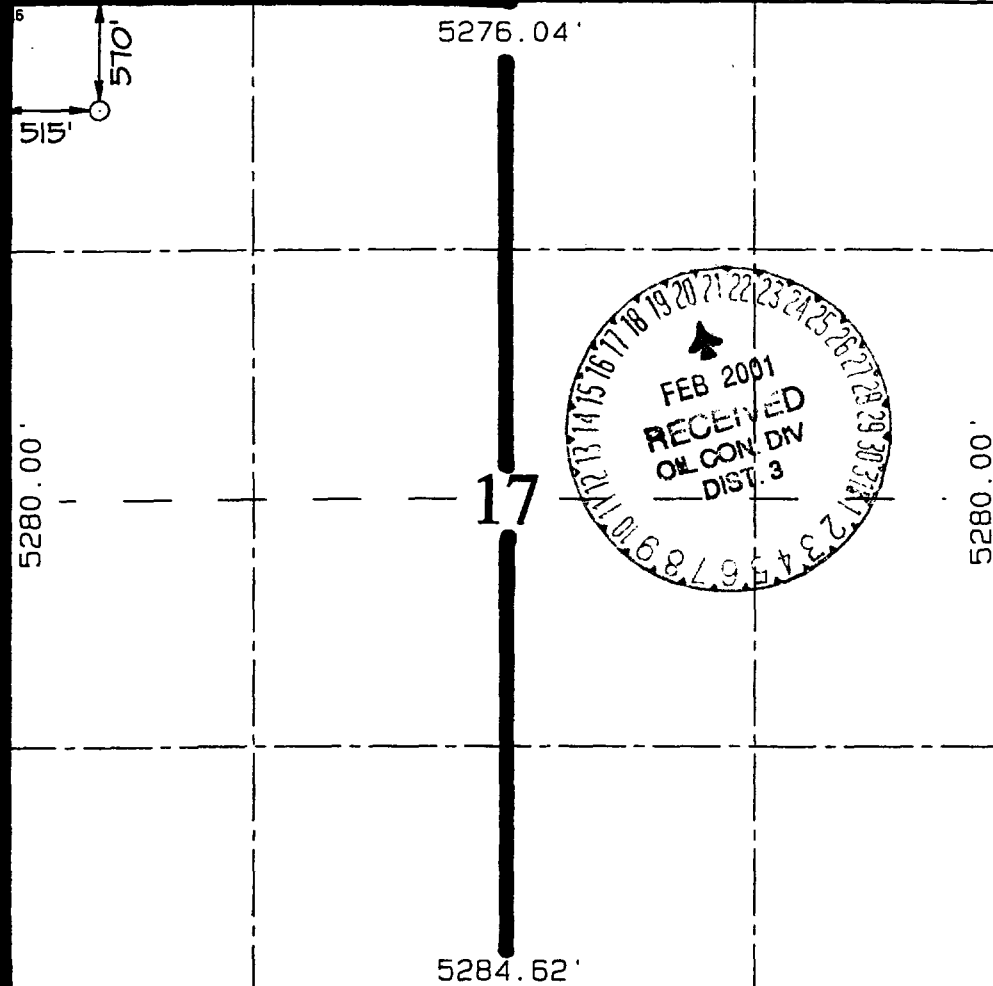


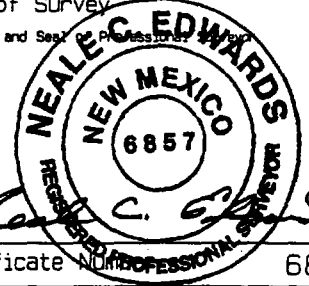
UL or lot no. D	Section 17	Township 31N	Range 5W	Lot Idn	Feet from the 570	North/South line NORTH	Feet from the 515	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320 - W/2	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
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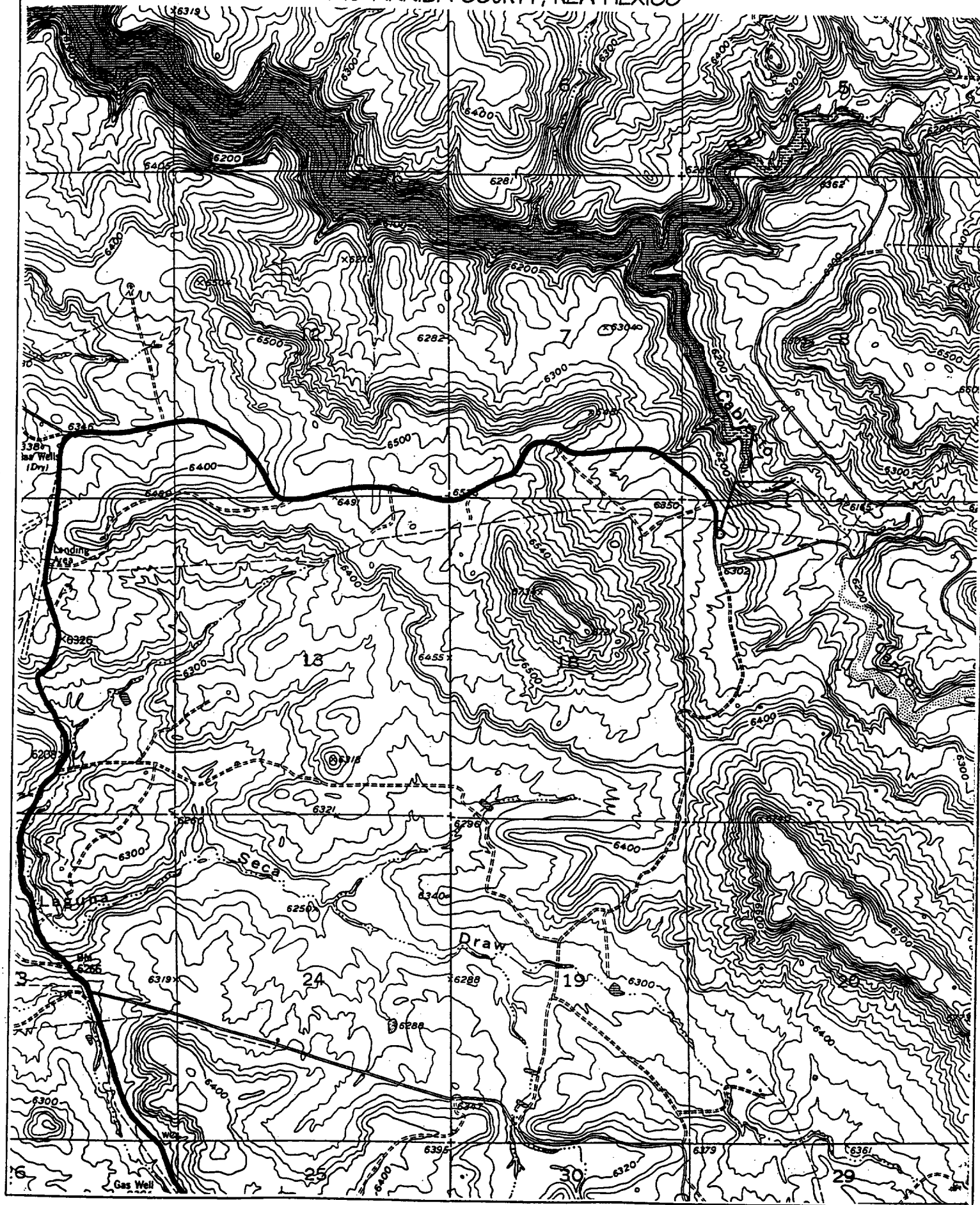
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<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</p> <p> Signature Steve Nelson Printed Name Nelson Consulting, Agent Title November 27, 2000 Date</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>OCTOBER 17, 2000 Date of Survey  Signature and Seal of Professional Surveyor  Certificate No. 6857</p>

WILLIAMS PRODUCTION COMPANY ROSA UNIT #31B

570' FNL & 515' FNL, SECTION 17, T31N, R5W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO



B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install one Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (4) joints to the surface casing. Total centralizers = (26) regular and (3) turbulent.
3. PRODUCTION CASING: 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20" bottom joint. Place marker joint above 5630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

C. CEMENTING:

1. SURFACE: Slurry: 255sx (352 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 125% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE: Lead: 415sx (863 ft³) of "Type III" 65/35 poz + 8% gel + 1% CaCl₂ + 1/4 # cello-flake/sk (Yield = 2.09 ft³/sk, Weight = 12.1 #/gal.). Tail: 170sx (238 ft³) of class "Type III" + 1% CaCl₂ + 1/4 # cello-flake/sk. (Yield = 1.39 ft³/sk, Weight = 14.5#/gal.). The 100% excess in lead and tail should circulate cement to the surface. Total volume = 1101 ft³. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated to the surface. Test csg. to 1500psi.
3. PRODUCTION LINER: Lead: 80sx (116 ft³) of Class-H + 50/50 poz + 4 % gel + 0.4% FL-52. (Yield = 1.45 cu.ft./sk, Weight = 13.2 #/gal.). Tail: 190sx (271 ft³) of Class-H + 50/50 poz + 4 % gel + 0.4% FL-5 + 1/4# celloflake/sk and 4% Phenoseal (Yield = 1.45 ft³/sk, Weight = 13.2 #/gal.). Displace cement at a minimum of 8 BPM. The 50% excess in lead and tail should cover liner top. Total volume 387 ft³. WOC 12 hours.

IV COMPLETION

A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings.

B. PRESSURE TEST

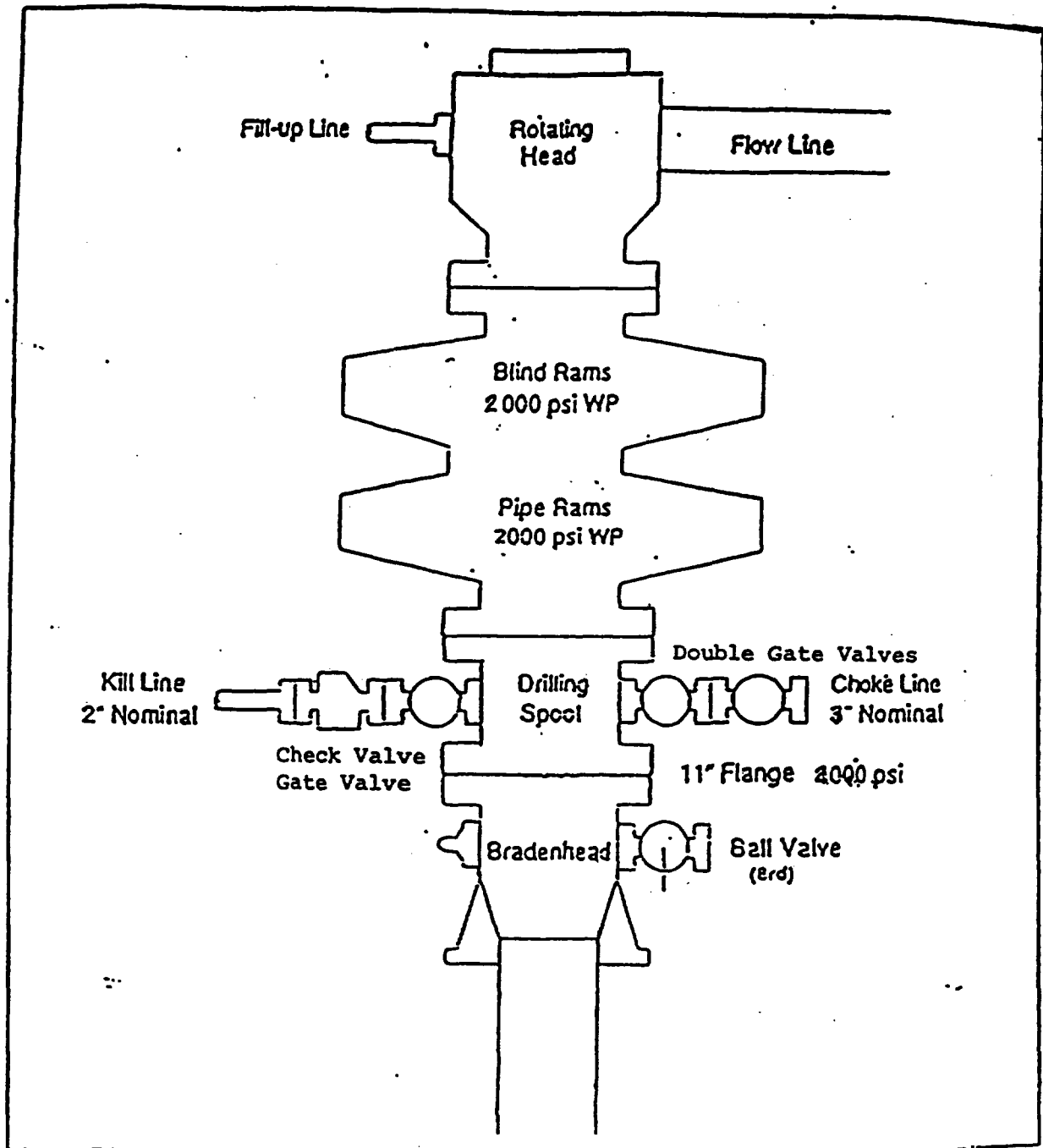
1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

1. Stimulate with approximately 80,000# of 20/40 sand in slick water.
2. Isolate Point Lookout with a CIBP.
3. Perforate the Menefee/Cliff House as determined from the open hole logs.
4. Stimulate with approximately 80,000# of 20/40 sand in slick water.

EXHIBIT 1

BOP STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with change overs for each tool joint in the string, and choke manifold all rated to 2000 psi.

Stogner, Michael

From: Hayden, Steven
Sent: Thursday, April 19, 2001 7:59 AM
To: Stogner, Michael
Subject: FW: Williams NSLs

From: Hayden, Steven
Sent: Thursday, April 19, 2001 7:56 AM
To: Stogner, Michael
Subject: Williams NSLs

Mike,

I got several copies of NSL requests yesterday from Steve Nelson consulting for Williams to get some Dakota NSLs in the Rosa Unit. This is much like the BP/Amoco form letters with the added bonus that Mr. Nelson apparently doesn't know the difference between a standard location and pool boundaries. It must be very easy to make it as a consultant these days...

Steve

Sorry, I forgot to give you the well numbers:

RU #8B
#24B
#30B
#31B
#44B
#149B
#165B