

ABOVE THIS LINE FOR DIVISION USE ONLY

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



RECEIVED
 MAY 29 2003

Oil Conservation Division

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:

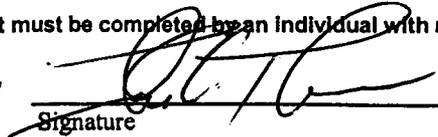
- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance 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
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

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

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

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

John C. Thompson  ENGINEER / AGENT 5/22/03
 Print or Type Name Signature Title Date
 John E. Wansheng.NET
 e-mail Address



Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

May 22, 2003

***Re: Request for Administrative approval for Non-Standard Fruitland Location
Rosa Unit 341A (Sec16/T31N/R6W, 585' fnl & 560' fwl, San Juan County, New Mexico)***

Dear Ms. Wrotenbery,

Williams Production Company is requesting an administrative approval to construct the Rosa 341A as a non-standard location in the Basin Fruitland formation. Williams has filed an APD for a Basin Fruitland well from the Bureau of Land Management (BLM).

Originally, the surface location was picked by considering drainage from the offset Fruitland wells and topography/archeology constraints. In this case, Williams picked their surface location in an attempt to minimize Fruitland drainage interference with offset wells.

Therefore, the reason for requesting administrative approval for a non-standard location is:

1. The current location was picked by **considering drainage patterns** from the Rosa 234 to the northeast, the Rosa 341 to the southeast and the Rosa 276 to the southwest. (see attached map showing drainage patterns).

Currently there is no established Fruitland Participating Area for the Rosa Unit. However, all of the adjacent acreage that is being encroached upon is committed to the Rosa Unit, and Williams Production Company, LLC is the offset operator. In support of this application, please find included a signed waiver from the offset Lessee.

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:wp/nsftc341A

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 341A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6380'

¹⁰ Surface Location

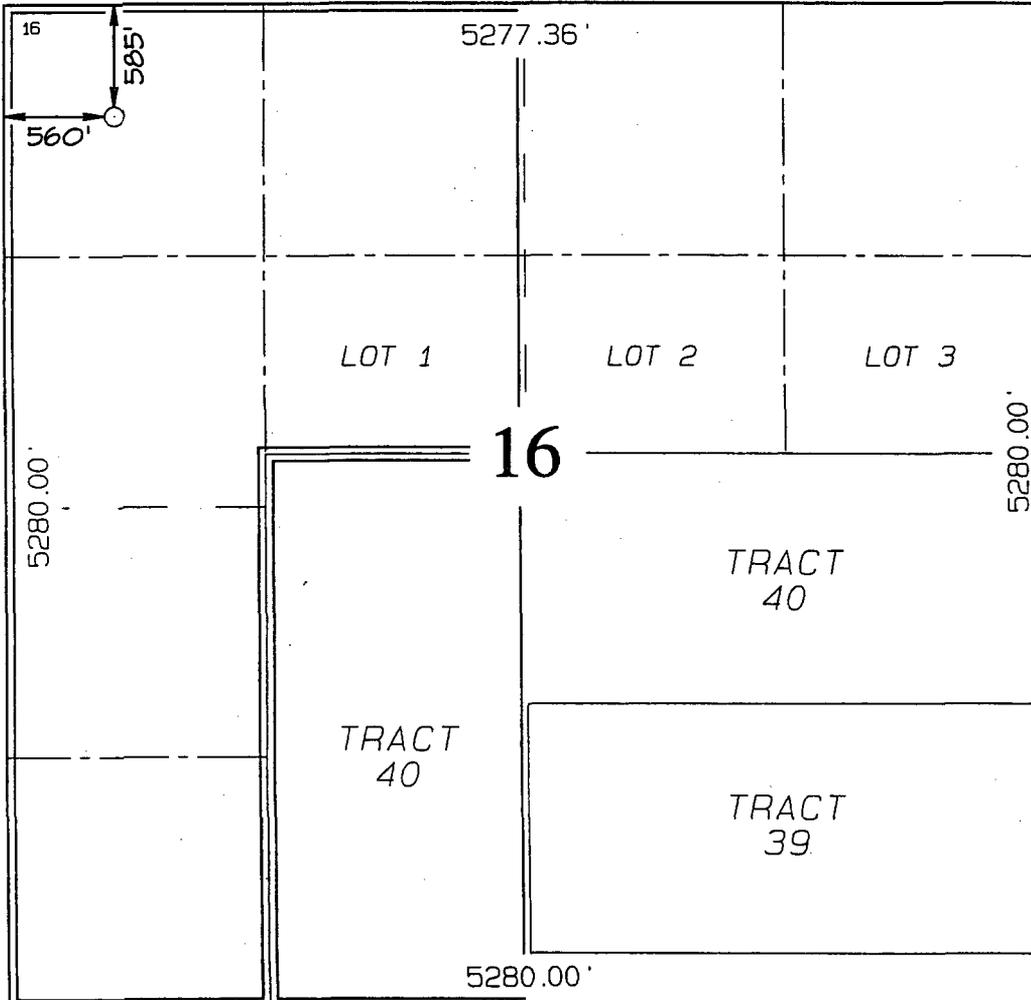
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	31N	6W		585	NORTH	560	WEST	SAN JUAN

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

¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	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



¹⁷ OPERATOR CERTIFICATION

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

John C. Thompson

Signature

John C. Thompson

Printed Name

Agent/Engineer

Title

5/22/03

Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: MAY 5, 2003

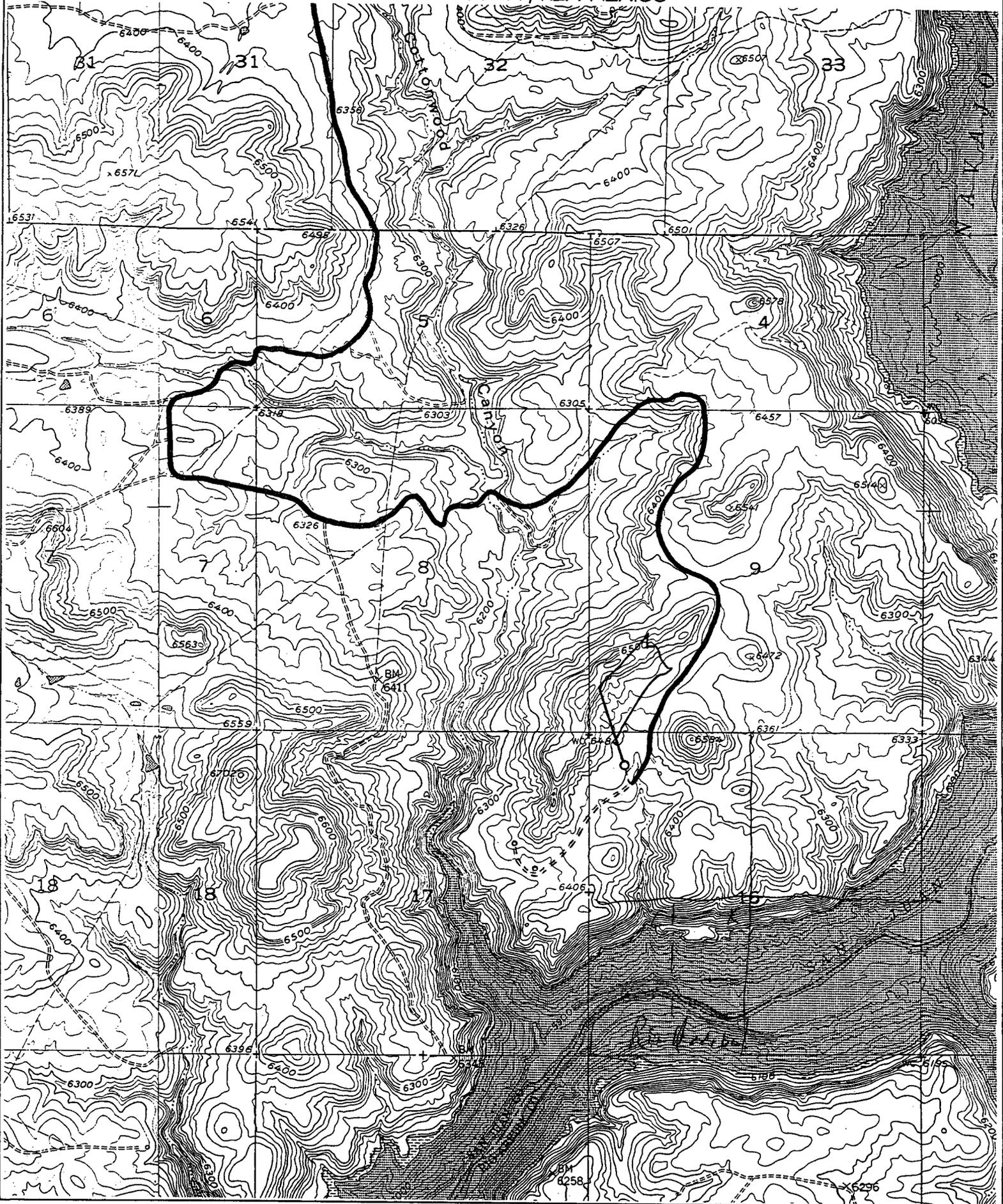
Signature and Seal of Professional Surveyor



Jason C. Edwards

Certificate Number 15269

WILLIAMS PRODUCTION COMPANY ROSA UNIT #341A
585' FNL & 560' FNL, SECTION 16, T31N, R6W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO





Williams Production Co., LLC
One Williams Center
P. O. Box 3102
Tulsa, OK 74101
918/573-6169

May 19, 2003

Sacramento Municipal Utility District (SMUD)
PO Box 15830
Sacramento, CA 95852-1830
Attn: Barry Brunelle

Re: Non-Standard Location Waiver
Proposed Rosa Unit #341A Fruitland Formation
585' FNL & 560' FWL
W/2 Sec. 16, T31N, R6W
San Juan County, New Mexico

Dear Mr. Brunelle:

William Production Company, as Rosa Unit Operator, plans to drill the Rosa Unit #341A Fruitland formation well to be located 585' FNL and 560' FWL of Sec.16, T31N, R6W (W/2 dedication). The proposed location constitutes a Non-Standard location for production from the Fruitland formation under the rules and regulations of the New Mexico Oil Conservation Commission.

Williams Production respectfully requests that you as the Offsetting Lessee in the Fruitland formation waive any and all objections to the Non-Standard location of the Rosa Unit #341A well by signing a copy of this letter in the space below and returning this waiver to the undersigned at your earliest convenience.

Very truly yours,

John C. Thompson
Engineer/Agent

Enclosure

Rosa Unit #341A Fruitland formation well Non-Standard location waiver approved:

Sacramento Municipal Utility District (SMUD)

By: Barry Brunelle

Date: 5-23-03



Williams Production Co., LLC
One Williams Center
P. O. Box 3102
Tulsa, OK 74101
918/573-6169

May 19, 2003

BP America Production Company
P. O. Box 3092
Houston, TX 77253-3092
Attn: Bryan Anderson

Re: Non-Standard Location Waiver
Proposed Rosa Unit #341A Fruitland Formation
585' FNL & 580' FWL
W/2 Sec.16,T31N,R6W
San Juan County, New Mexico

Dear Mr. Anderson:

William Production Company, as Rosa Unit Operator, plans to drill the Rosa Unit #341A Fruitland formation well to be located 585' FNL and 580' FWL of Sec.16,T31N,R6W (W/2 dedication). The proposed location constitutes a Non-Standard location for production from the Fruitland formation under the rules and regulations of the New Mexico Oil Conservation Commission.

Williams Production respectfully requests that you as the Offsetting Lessee in the Fruitland formation waive any and all objections to the Non-Standard location of the Rosa Unit #341A well by signing a copy of this letter in the space below and returning this waiver to the undersigned at your earliest convenience.

Very truly yours,

John C. Thompson
Engineer/Agent

Enclosure

Rosa Unit #341A Fruitland formation well Non-Standard location waiver approved:

BP America Production Company

By: Bryan A. Anderson

Date: MAY 20 2003

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised March 17, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLAIMS PRODUCTION COMPANY P O BOX 3102, MS 37-2 TULSA, OK 74101		² OGRID Number 120782
		³ Reason for Filing Code NW
⁴ API Number 30 - 045-30200	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 341

II. 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
I	17	31N	6W		2174'	SOUTH	350'	EAST	SAN JUAN

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	31N	6W		2174'	SOUTH	735'	WEST	SAN JUAN

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F					

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267	2827387	O	
025244	WILLIAMS FIELD SERVICES ATTN: BUD ALMOND P O BOX 645 TULSA, OKLA 74102	2827388	G	



IV. Produced Water

²³ POD 2827389	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBD	²⁹ Perforations	³⁰ DHC, DC, MC
7/26/00	10/20/00	3588'	3530'	3466' - 3560'	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
12 1/4"	9 5/8" - 36#	512'	240 SX		
8 3/4"	7" - 20#	3402'	550 SX		
6 1/4"	5 1/2" - 17#	3561'			
	2 7/8" - 6.7#	3533'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
		10/23/00	3 HRS	110	360
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
3/4"	0	0	1,521		Pitot

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Tracy Ross*
Printed name: TRACY ROSS
Title: PRODUCTION ANALYST
Date: November 1, 2000
Phone: 918-573-6254

OIL CONSERVATION DIVISION	
Approved by:	<i>Tracy Ross</i>
Title:	SUPERVISOR DISTRICT #3
Approval Date:	DEC 04 2000

Operator fill in the OGRID number and name of the previous operator

Signature Printed Name Title Date

In Lieu of Form 3160 June 1990)

UNITED STATES DEPARTMENT OF INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION TO DRILL" for permit for such proposals

250 AUG 7 11 231

070 FARMINGTON, NM

- 5. Lease Designation and Serial No. SF-078766
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No. ROSA UNIT #341
9. API Well No. 30-045-30200
10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
11. County or Parish, State SAN JUAN, NM

SUBMIT IN TRIPPLICATE

- 1. Type of Well Oil Well X Gas Well Other
2. Name of Operator WILLIAMS PRODUCTION COMPANY
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2174' FSL & 350' FEL, NE/4 SE/4 SEC 17-31N-06W (Surface Location)

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

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes options for Abandonment, Recompletion, Plugging Back, etc., and a checked box for 'X Subsequent Report'.

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

Williams Production Company proposes to change the bottom hole location from 2174' FSL & 850' FWL to 2174' FSL and 710' FWL. The well will remain in the NWSW quarter of section 16-T31N-R06W. The new estimated TD will be 3559' (MD) and 3291' (TVD). All other aspects of our original APD will remain the same. Estimated start date is 7/26/00.



Verbal approval received from Chip Harraden 7/25/00

14. I hereby certify that the foregoing is true and correct. Signed Tracy Ross Title Production Analyst Date July 25, 2000

(This space for Federal or State office use)

Approved by /s/ Jim Lovato Title Date AUG 15 2000

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-10
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

2000 AUG -7 PM 2:31

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 AM Number 30-045-30200		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal	
4 Property Code 17033		5 Property Name ROSA UNIT			6 Well Number 341
7 OGRID No. 120782		8 Operator Name WILLIAMS PRODUCTION COMPANY			9 Elevation 6411'

10 Surface Location

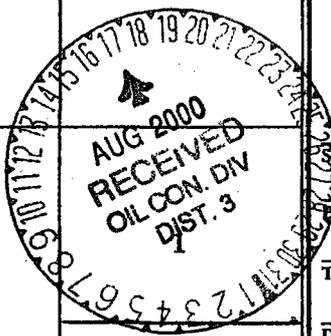
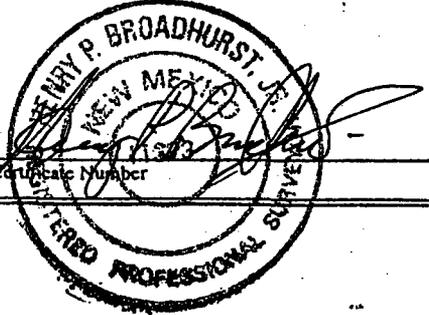
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	17	31N	6W		2174'	SOUTH	350'	EAST	SAN JUAN

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
L	16	31N	6W		2174'	SOUTH	710'	WEST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

16 N89°40'E 2638.02'	2638.68'	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
		 Signature: Tracy Ross Printed Name: Tracy Ross Title: Production Analyst Date: August 1, 2000	
Section 17		Section 16	
Surface		Bottom	
350'		710'	
2174'		2174'	
N89°45'E 2640.66'		N89°34'E 2640.00'	
		Tract 40	
		18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
		Date of Survey: 10/06/99	
		Signature and Seal of Professional Surveyor:	
		 Certificate Number	

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

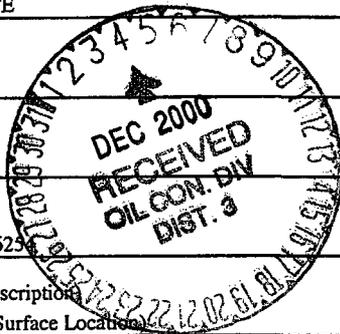
SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

- 5. Lease Designation and Serial No.
SF-078766
- 6. If Indian, Allottee or Tribe Name
- 7. If Unit or CA, Agreement Designation
- 8. Well Name and No.
ROSA UNIT #341
- 9. API Well No.
30-045-30200
- 10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL
- 11. County or Parish, State
SAN JUAN, NM

SUBMIT IN TRIPLICATE

- 1. Type of Well
Oil Well Gas Well Other
- 2. Name of Operator
WILLIAMS PRODUCTION COMPANY
- 3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6250
- 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2174' FSL & 350' FEL, NE/4 SE/4 SEC 17-31N-06W (Surface Location)



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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other <u>Spud</u>
	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

This well was spud @ 0100 hrs 7/26/00

APD/ROW

2000 JUL 31 PM 1:47
 070 FARMINGTON, NM

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

Signed Tracy Ross Title Production Analyst Date July 26, 2000

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by _____ Title _____ Date NOV 30 2000

Conditions of approval, if any: _____

FARMINGTON FIELD OFFICE
BY [Signature]

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995

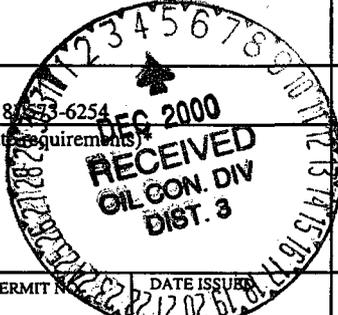
WELL COMPLETION OR RECOMPLETION REPORT AND LOG 06

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER
 b. TYPE OF COMPLETION: NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. OTHER

2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 433-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At Surface: 2174' FSL & 350' FEL
 At top production interval reported below:
 At total depth: 2174' FSL & 735' FWL



5. LEASE DESIGNATION AND LEASE NO. SF-078766

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME ROSA UNIT

8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #341

9. API WELL NO. 30-045-30200

10. FIELD AND POOL, OR WILDCAT BASIN FRUITLAND COAL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NW/4 SW/4 SEC 16-31N-6W

14. PERMIT NO. DATE ISSUED

12. COUNTY OR SAN JUAN 13. STATE NEW MEXICO

15. DATE SPUNDED 07/26/2000 16. DATE T.D. REACHED 07/31/2000 17. DATE COMPLETED (READY TO PRODUCE) 10/20/2000

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6411' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3588' MD 21. PLUG, BACK T.D., MD & TVD 3530' MD

22. IF MULTICOMP., HOW MANY 23. INTERVALS DRILLED BY

ROTARY TOOLS x CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BASIN FRUITLAND COAL 3466' - 3560'

25. WAS DIRECTIONAL SURVEY MADE YES

26. TYPE ELECTRIC AND OTHER LOGS RUN IND/GR & DEN/NEU/TEMP

27. WAS WELL CORED NO

28. CASING REPORT (Report all strings set in well)						
CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED	
9-5/8" K-55	36#	512'	12-1/4"	240 SX - SURFACE	334	
7" K-55	20#	3402'	8-3/4"	550 SX - SURFACE	1032	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	3288'	3561'	0 SX		2-7/8"	3533'	

31. PERFORATION RECORD (Interval, size, and number)
 3466' - 3498', 3506' - 3520', 3528' - 3550', 3554' - 3560'
 W/ 4 SPF (0.72") holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SI) SI waiting on pipeline	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/23/00	3 hr	3/4"			190		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
110	360				1,521		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD TEST WITNESSED BY: CHIK CHARLEY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Production Analyst DATE November 1, 2000

ACCEPTED FOR RECORD

NOV 30 2000

FARMINGTON FIELD OFFICE BY

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
OJO ALAMO	2696'	2805'						
KIRTLAND	2805'	3315'						
FRUITLAND	3315'	3470'						
TOP OF COAL	3470'							

**ROSA UNIT #341
BASIN FRUITLAND COAL**

Surface Location:

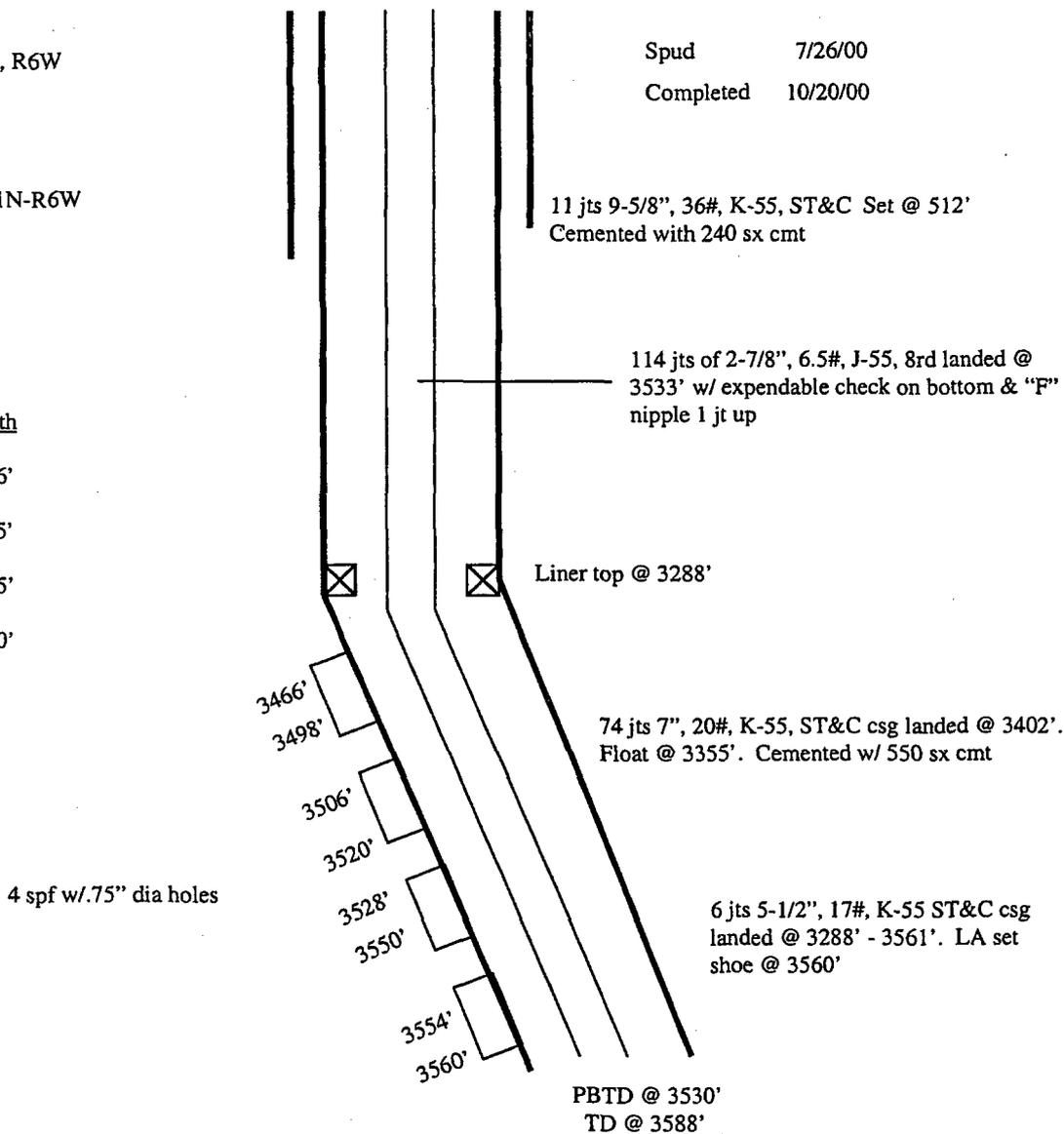
2174' FSL and 350' FEL
NE/4 SE/4 Sec 17(I), T31N, R6W
San Juan, New Mexico

Bottom Hole Location:

2174' FSL and 735' FWL
NW/4 SW/4 Sec 16(L), T31N-R6W
San Juan, New Mexico

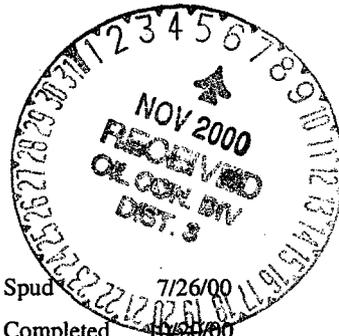
Elevation: 6411' GR

<u>Top</u>	<u>Depth</u>
Ojo Alamo	2696'
Kirtland	2805'
Fruitland	3315'
Top of Coal	3470'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	240 sx	334 cu. ft.	Surface
8-3/4"	7", 23#	550 sx	1032 cu. ft.	Surface
6-1/4"	5-1/2", 17#	N/A	N/A	N/A

**ROSA UNIT #341
BASIN FRUITLAND COAL**



Surface Location:

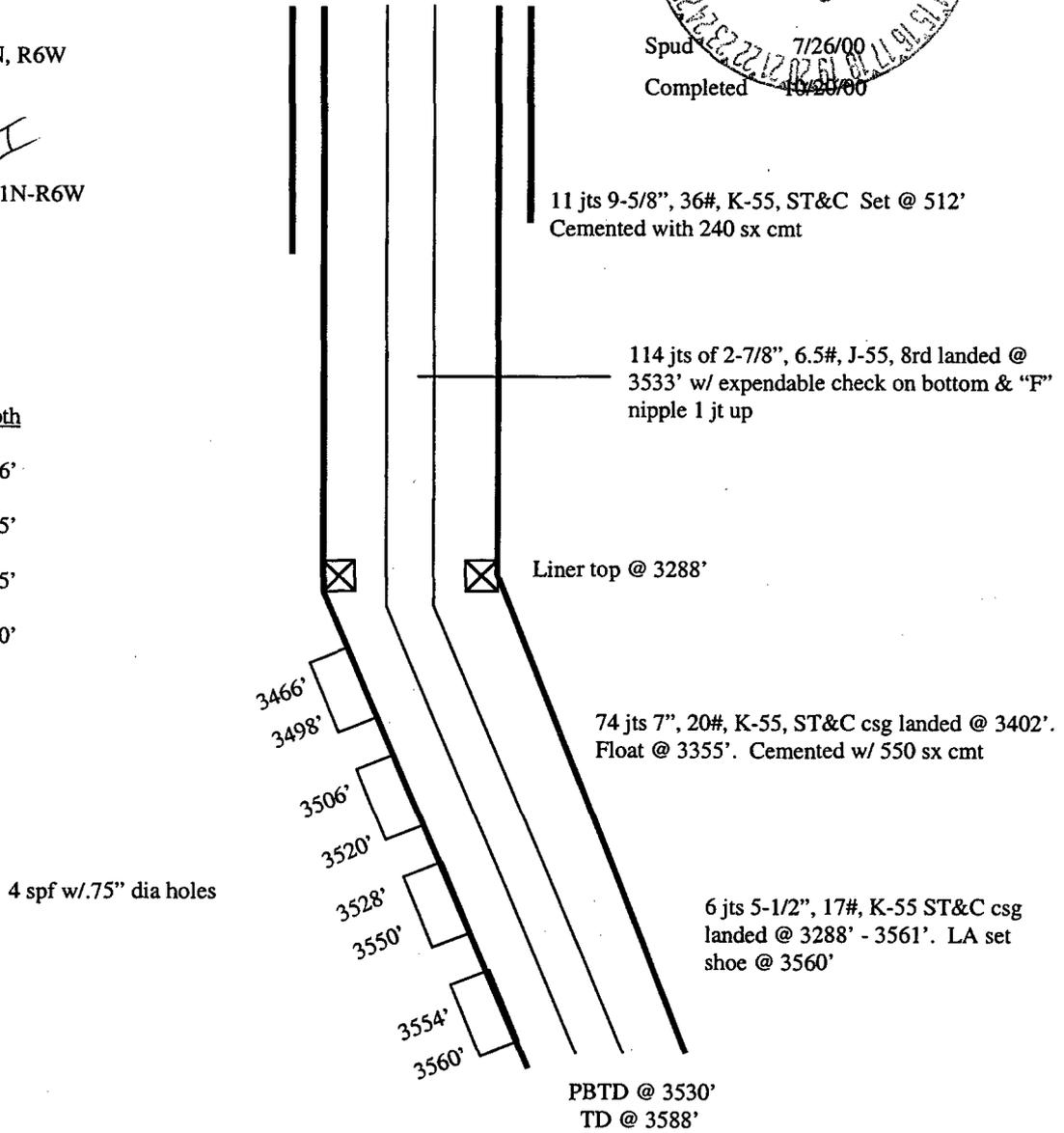
2174' FSL and 350' FEL
NE/4 SE/4 Sec 17(I), T31N, R6W
San Juan, New Mexico

Bottom Hole Location:

2174' FSL and 735' FWL
NW/4 SW/4 Sec 16(L), T31N-R6W
San Juan, New Mexico

Elevation: 6411' GR

<u>Top</u>	<u>Depth</u>
Ojo Alamo	2696'
Kirtland	2805'
Fruitland	3315'
Top of Coal	3470'



Hole Size	Casing	Cement	Volume	Top of Cmt
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