

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. SF-078762	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME 2-32	
7. UNIT AGREEMENT NAME Rosa Unit	
8. FARM OR LEASE NAME, WELL NO. 351	
9. API WELL NO. 30-039-26246	
10. FIELD AND POOL OR WILDCAT Basin Fruitland Coal	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N Sec. 10, T31N, R5W	
12. COUNTY OR PARISH Rio Arriba	
13. STATE NM	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 miles NE of Blanco, NM	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 915'	
16. NO. OF ACRES IN LEASE 2560	
17. NO. OF ACRES ASSIGNED TO THIS WELL W/ 320	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 700'	
19. PROPOSED DEPTH 3550	
20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6787' GR	
22. APPROX. DATE WORK WILL START* April 15, 2000	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K-55	250'	176 cu ft. Cl "B" w/ 3% CaCl ₂
8-3/4"	7"	20# K-55	3440'	1096cuft. Cl "B" 65/35 poz & 60cuft w/ 2% CaCl
6-1/4"	5-1/2"	15.5# K-55	3340' - 3550'	None

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

Williams Production Company proposes to drill a vertical well to develop the Fruitland Coal formation at the above described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by Moore Anthropological Research. Copies of their report have been submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-ways. This well will be accessed by Forest Road #309B.

The pipeline route is described on Plat #4.

RECEIVED
APR 11 2000
BLM
RIO ARriba
NM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Paul Thompson TITLE Paul Thompson, Agent DATE 12/1/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Charlie Beecham TITLE _____ DATE 6

*See Instructions On Reverse Side

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.

NMOCD

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 Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
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 30-039-26246		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 351
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6787'

10 Surface Location

UL or lot no. N	Section 11	Township 31N	Range 5W	Lot Idn	Feet from the 1260	North/South line SOUTH	Feet from the 1725	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	13 Joint or Infill Y	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

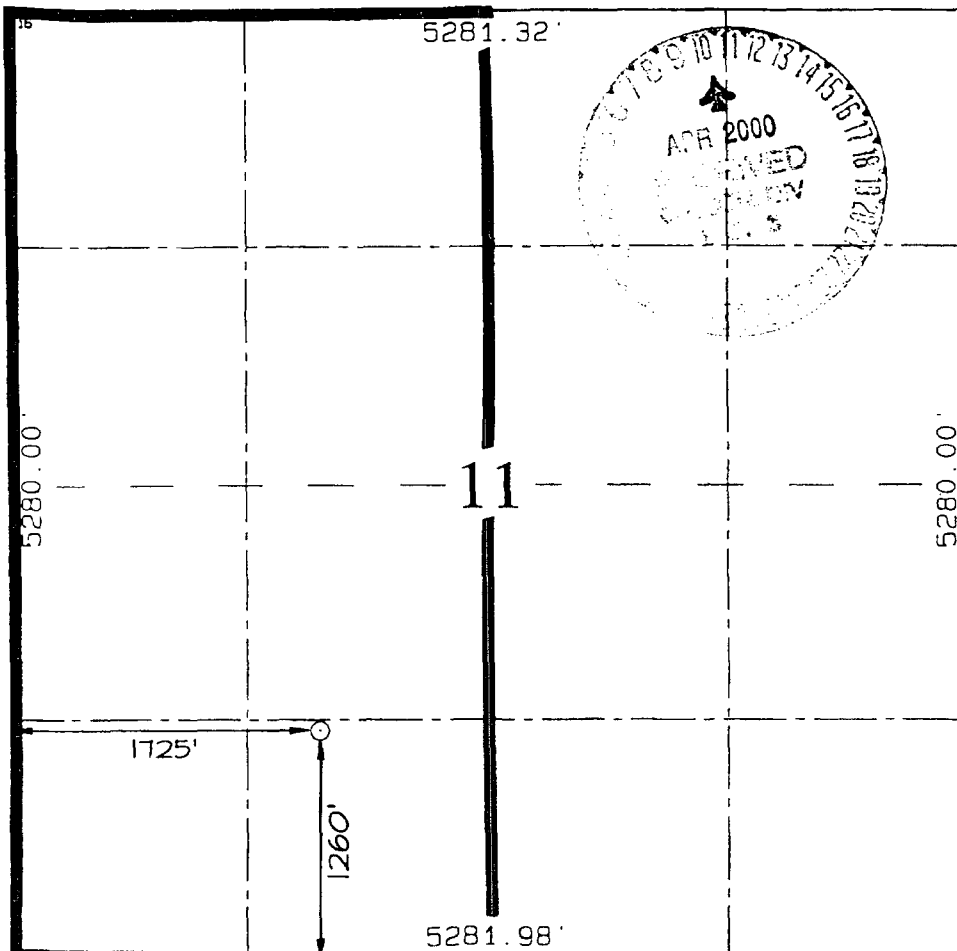
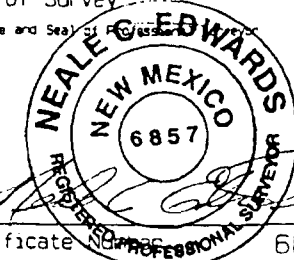
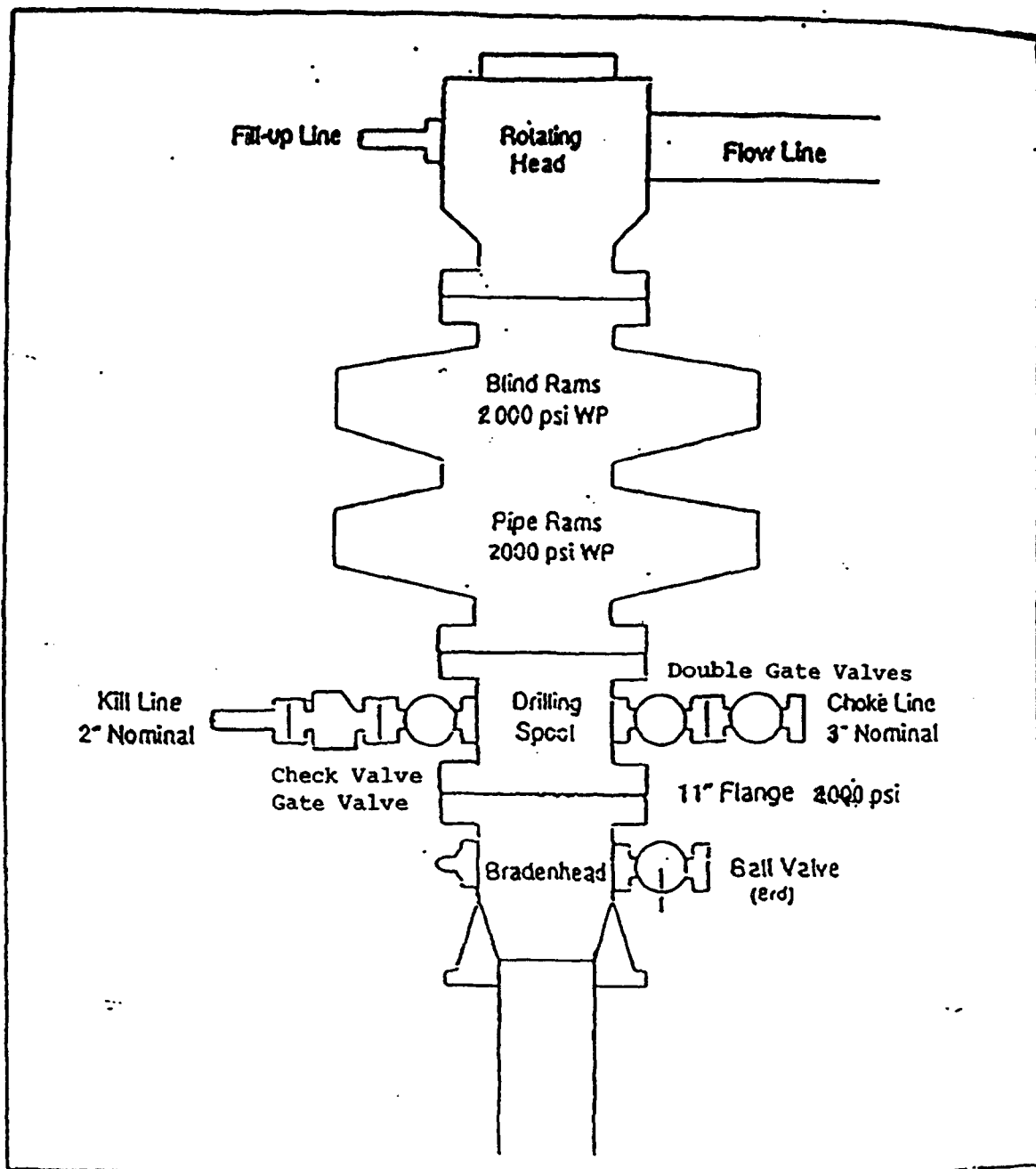
	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Paul C. Thompson</u> Printed Name <u>Paul C. Thompson</u> Agent Title Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JUNE 2, 1999 Date of Survey Signature and Seal of Professional Surveyor  Certificate No. <u>6857</u>

EXHIBIT 1

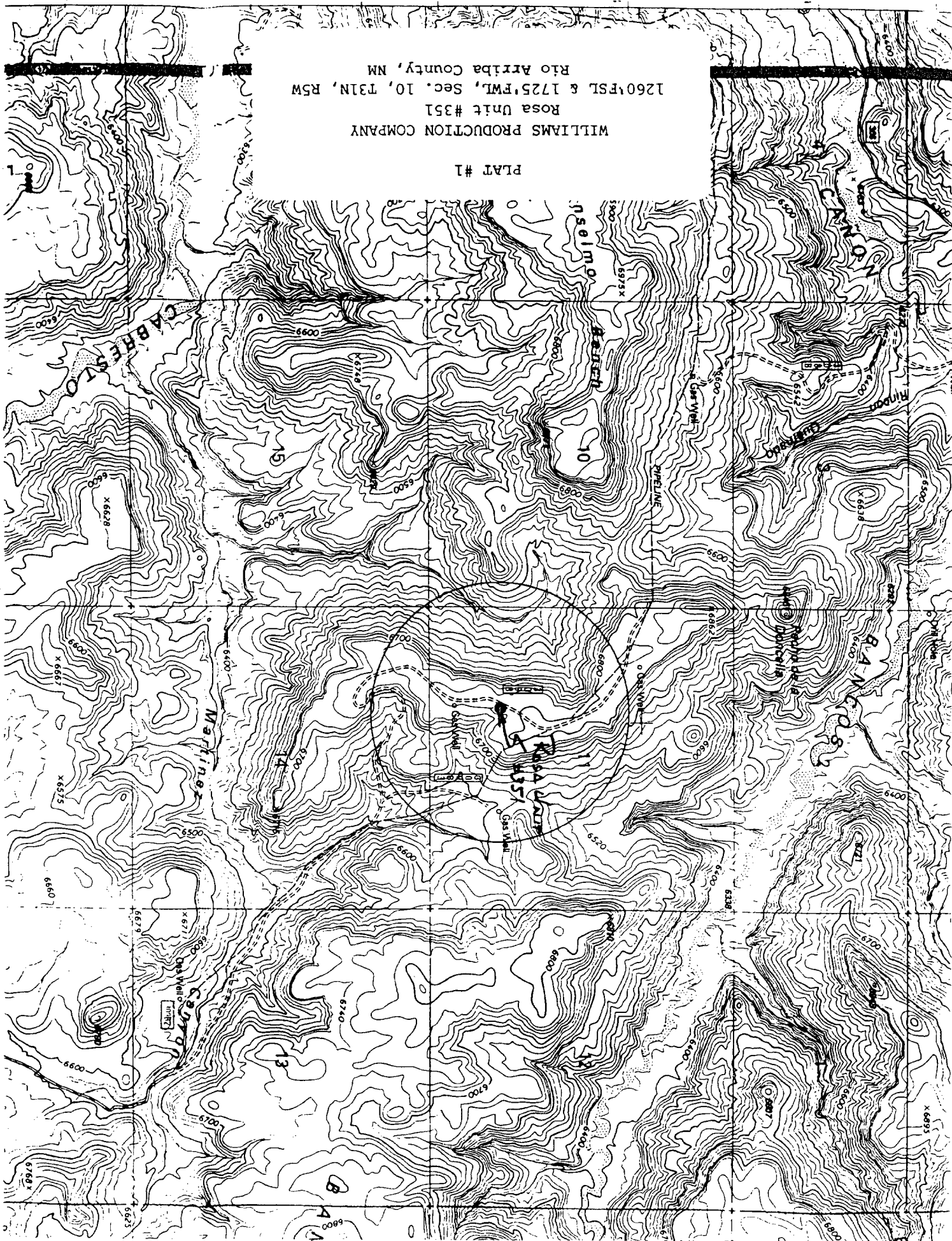
BOP STACK ARRANGEMENT



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 kill cock with handle, floor safety valve with change overs for each tool joint in the string, and choke manifold all rated to 2000 psi.

WILLIAMS PRODUCTION COMPANY
Rosa Unit #351
1260'FSL & 1725'FWL, Sec. 10, T31N, R5W
Rio Arriba County, NM

PLAT #1



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-078762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

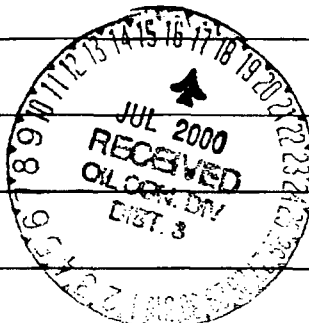
SUBMIT IN TRIPLICATE

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) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1260' FSL & 1725' FWL, SE/4 SW/4 SEC 11-31N-05W



8. Well Name and No.
ROSA UNIT #351

9. API Well No.
30-039-26296

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State
RIO ARRIBA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
<input checked="" type="checkbox"/> Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	Other _____
	<input checked="" type="checkbox"/> 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 Recombination 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.)*

Williams Production Company proposes to change the total depth of this well from 3550' to 3650'. All other aspects of our original APD will remain the same. Estimated start date is 7/20/00.

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

Signed Tracy Ross
Tracy Ross

Title Production Analyst

Date June 29, 2000

(This space for Federal or State office use)

Approved by /s/ Jim Lovato

Title _____

Date JUL 14 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.

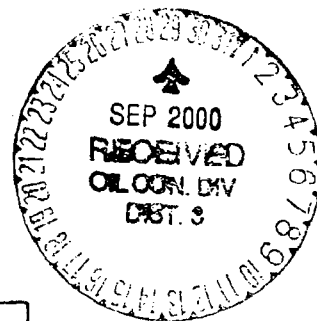


ENERGY SERVICES
Exploration & Production

September 25, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #351
Location: N SEC 11 T31N R5W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BASIN FRUITLAND COAL



DEVIATION	DEPTH
3/4°	122'
1/2°	297'
3/4°	800'
1°	1297'
1°	1796'
1°	2291'
3/4°	2726'
1°	3228'

Tracy Ross
Tracy Ross
Production Analyst

State of Oklahoma)
County of Tulsa) ss:

The foregoing instrument was acknowledged before me this 25th day of September, 2000, by Tracy Ross.

Susan A. Tyler
Susan A. Tyler

My Commission Expires: 7-17-2001

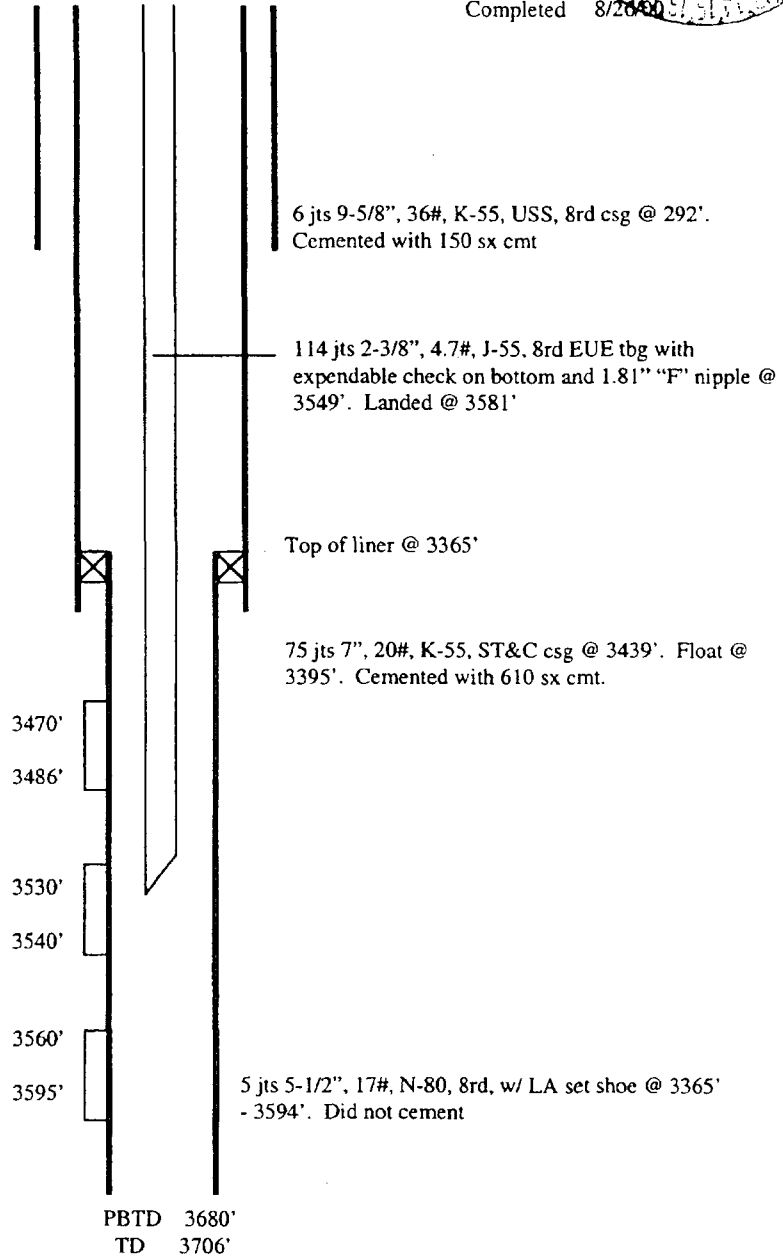
ROSA UNIT #351
BASIN FRUITLAND COAL



Spud 7/30/00
Completed 8/20/00

Location: **N**
1260' FSL and 1725' FWL
SE/4 SW/4 Sec 11N, T31N R5W
Rio Arriba, New Mexico
Elevation: 6787' GR

<u>Top</u>	<u>Depth</u>
Ojo Alamo	2942'
Kirtland	3038'
Fruitland	3361'
Pictured Cliffs	3596'



Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	150 sx	210 cu. ft.	Surface
8-3/4"	7", 20#	615 sx	1163 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did not cmt	N/A	N/A

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator Williams Production Company					Lease or Unit Name ROSA UNIT				
Test Type X Initial Annual Special			Test Date 9/21/2000		Well Number #351				
Completion Date 8/26/2000		Total Depth 3706'		Plug Back TD 3680'		Elevation 6787'		Unit Sec Twp Rng N 11 31N 5W	
Casing Size		Weight	d	Set At	Perforations: From To	County Rio Arriba			
Tubing Size		Weight	d	Set At	Perforations: From To	Pool Basin			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At	Formation Fruitland Coal			
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
L	H	Gq 0.6	%CO2	%N2	%H2S	Prover 3/4"		Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Duration of Flow
SI		2" X 3/4"			0		1125		0
1					790	60	885		0.5 hr
2					410	64	610		1.0 hr
3					210	68	415		1.5 hrs
4					160	69	360		2.0 hrs
5					25	70	300		3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604					37	0.9905	1.29	1.004	456
2										
3										
4										
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration					Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons					Deq.
2					Specific Gravity Separator					
3					Specific Gravity Flowing Fluid xxxxxxxxxx					XXXXXX
4					Critical Pressure p.s.i.a.					p.s.i.a.
5					Critical Temperature R					R
Pc	1137	Pc ²	1292769							
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²	(1) $\frac{Pc^2}{Pc^2 - Pw^2} = \underline{1.0814305}$ (2) $\frac{Pc^{2\Delta n}}{Pc^2 - Pw^2} = \underline{1.0605}$					
1		312	97344	1195425						
2										
3										
4					AOF = Q $\frac{Pc^{2\Delta n}}{Pc^2 - Pw^2} = \underline{483}$					
Absolute Open Flow		483	Mcf/d @ 15.025		Angle of Slope			Slope, n 0.75		

Remarks:

Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: Stergie Katirgis
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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

5. Lease Designation and Serial No.
SF-078762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

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

8. Well Name and No.
ROSA UNIT #351

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-26296 **26246**

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

4. **N** Location of Well (Footage, Sec., T., R., M., or Survey Description)
1260' FSL & 1725' FWL, SE/4 SW/4 SEC 11-31N-05W

11. County or Parish, State
RIO ARriba, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
<input checked="" type="checkbox"/> Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	<input checked="" type="checkbox"/> Other <u>DRILLING COMPLETION</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.)*

7-30-2000 MI RU, mix spud mud, drill mouse hole and rat hole, drill surface, spud 0500 hrs 07/30/00

7-31-2000 Drill surface to 300', run 6 jts 9 5/8" casing set @ 292.49', cement w/ BJ w/ 150 sx type III w/ 2% CaCl2 and 1/4# celloflake per sx, plug down @ 1615 hrs, WOC, NU bradenhead, BOP, pressure test, PU shock sub & bit, TIH

8-01-2000 Drill and survey to 2322'

8-02-2000 Drill and survey from 2331'-3440', mix mud, short trip, circulate on bottom

8-03-2000 Circulate hole clean. LD DP & DC's. RU casing crew, PU and run 75 jts 7" (3424') 20# K-55 8rd casing set @ 3439', cement nose guide shoe on bottom and insert float one joint up @ 3395', (had 19.6' cutoff). Wash 80' to TD. BJ cemented w/ 445 sx (925 cu ft) type III w/ 65/35 poz w/ 8% gel, 1% CaCl2 and 1/4# cello-flake per sx followed w/ 170 sx (238 cu ft) type III w/ 1% CaCl2 and 1/4# cello-flake per sx, good circulation throughout, circulated 5 bbl cement to surface. Plug down 1700 hrs 08/02/00, WOC, NU cavitation equipment

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

Signed Tracy Ross
Tracy Ross

Title Production Analyst

Date NOV 25 2000

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____

Title _____

Date NOV 01 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.

NMOCU

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

SEP 27 1999 1:35
070 FARMINGTON, NM

SUBMIT IN TRIPLICATE		5. Lease Designation and Serial No. SF-0787628
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA, Agreement Designation ROSA UNIT
1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		8. Well Name and No. ROSA UNIT #351
2. Name of Operator WILLIAMS PRODUCTION COMPANY		9. API Well No. 30-039-26296
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6234		10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description). 1260' FSL & 1725' FWL, SE/4 SW/4 SEC 11-31N-5W		11. County or Parish, State RIO ARRIBA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>COMPLETION OPERATIONS</u>	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.)*

8-04-2000 Convert to cavitation operations. PU DP & DC's, drill cement, rig repair (4 hrs), drill cement and guide shoe, drill Fruitland Coal 3440'-3560'

8-05-2000 Drill 3560'-3706' (100' into the Pictured Cliffs). COOH, RU Halliburton and log, RD loggers. TIH w/ inflatable packer, set @ top of PC @ 3598'. COOH, PU shock sub and underreamer, underreamer from 3448'-3528'

8-06-2000 Underream from 3528'-3595', COOH. TIH w/ 6 1/4" bit, CO @ TD. Dry well, flow test through 3/4" choke - 29 mcf/d, 3 hour SI - 150 psi. Surge 8 times w/ air and mist to 1000 psi, returns-lite coal dust

8-07-2000 Surge 7 times w/ air and mist to 1800 psi, returns-very lite coal. TIH, CO @ TD w/ 1800 scf air and 5 bph mist. Dry well, flow test - 15 mcf/d, SI for surge

8-08-2000 Surge 18 times w/ air and mist to 1800 psi, returns-air and mist on 1st 9 surges, lite coal and shale on last 9 surges

Continued on reverse side

14. I hereby certify that the foregoing is true and correct		
Signed <u>Tracy Ross</u> Tracy Ross	Title <u>Production Analyst</u>	Date <u>NOV 01 2000</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		
FARMINGTON FIELD OFFICE BY _____		

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.

8-09-2000 TIH, tag @ 3505', CO 3505'-3595', returns-heavy 1/4" coal and shale (95/05) to fines in black to dark gray water, CO @ 3595', returns-heavy reducing to lite 1/8" coal and shale (95/05) to fines in dark gray to gray water, dry well, flow test—36 mcf, surge 6 times w/ air and mist to 1800 psi, 60 min build, returns-coal dust and water

8-10-2000 Surge 12 times w/ air and mist to 1800 psi, returns-lite coal fines and water. TIH, bridge @ 3454', CO @ 3454', returns-heavy 1/4" coal and shale in black water. CO @ TD, returns-med 1/4" coal and shale (90/10) to fines in dark gray water. Tight hole, LD 3 jts DP, CO 3448'-3471', returns-heavy 1 1/2" shale reducing to lite 1/4" coal and shale (90/10) in gray water. CO 3471'-3502', returns-lite 1/4" coal and shale (90/10) in gray water

8-11-2000 CO 3535'-3595', returns-hvy 1/4" coal and shale (90/10) to fines in dark gray wtr to gray wtr, CO @ 3595'-TD, hvy reducing to lite 1/8" coal and shale (90/10) to fines in gray wtr, dry well for flow test

8-12-2000 Flow test through 3/4" choke - 51 mcf, surge 16 times w/ air and mist to 1800 psi, returns-med 1/8" coal and coal fines in black to gray water

8-13-2000 TIH to TD, CO @ TD-3595', returns-heavy 1/8" coal and shale (90/10) to fines in dark gray water, hole tight, LD 3 jts DP, CO @ 3517', returns-heavy 1/4" coal and shale (90/10) to fines in dark gray water

8-14-2000 CO 3517'-3595', CO @ TD-3595', returns-heavy 1/4" coal and shale (90/10) in gray water

8-15-2000 CO @ TD-3595', returns-heavy 1/8" coal and shale (80/20) to fines in gray water

8-16-2000 CO @ TD-3595', returns-heavy 1/8" coal and shale (80/20) to fines in gray water

8-17-2000 CO @ TD, returns-heavy reducing to lite 1/8" coal and shale (80/20) to fines in gray water. Dry well, flow test - 51 mcf. Surge 13 times w/ air and mist to 1800 psi, returns-lite coal and water

8-18-2000 Surge w/ air and 60 bbl water to 1800 psi, returns-lite coal and water. TIH, tag @ 3485'. CO @ 3485', returns-heavy 1/8" coal and shale (80/20) to fines in dark gray water

8-19-2000 CO 3511'-3595', returns-heavy 1/8" coal and shale (80/20) to fines in gray water

8-20-2000 CO @ 3595', returns-heavy reducing to lite 1/8" coal and shale (80/20) to fines in gray water. Dry well, flow test through 3/4" choke - 123 mcf. Surge 4 times w/ air and mist to 1800 psi, 2 hr build time, returns-lite coal and water. TIH, tag fill @ 3460', CO to 3515', returns-hvy 1/8" coal and shale (80/20) to fines in gray water

8-21-2000 CO 3515'-3595', returns-heavy 1/4" coal and shale (80/20) to fines in dark gray water, CO @ 3595'-TD, returns-heavy 1/8" coal and shale (80/20) to fines in gray water

8-22-2000 CO @ 3595'-TD, returns-heavy reducing to lite 1/8" coal and shale (80/20) to fines in gray water, dry well, flow test through 3/4" choke - 80 mcf, surge 2 times w/ air and mist to 1800 psi, (3 hr & 2 hr build time), returns-lite coal dust and water

8-23-2000 Surge 2 times w/ air and mist to 1800 psi, (2 hr build), returns-coal fines and mist, TIH, tag 3' fill, CO @ TD-3595' returns-heavy reducing to lite 1/8" coal and shale (80/20) to fines in gray water, dry well, flow test - 94 mcf, build pressure to surge

8-24-2000 Surge 7 times w/ air and mist to 1800 psi (build times-3 hrs down to 1.5 hrs), returns-coal fines and mist, TIH, tag 5' fill, CO @ TD-3595', returns-heavy 1/8" coal and shale (80/20) to fines in gray water

8-25-2000 CO @ TD-3595' w/ 1800 scf air and 10 bph mist, returns-med to lite 1/8" coal and shale (80/20) to fines in gray water. Dry well, COOH, LD DC's

8-26-2000 TIH w/ liner, ran 5 jts (228.97') 5 1/2" 17#, N-80, 8rd V&M w/ LA set shoe on bottom @ 3594' and TIW JGS liner hanger @ 3365', LDDP, RU Blue Jet, perforate the intervals 3560'-3595', 3530'-3540', 3470'-3486' w/ 4 SPF-.71" holes, RD Blue Jet, PU 2 3/8" tubing, land tubing, ran 114 jts 2 3/8" (3568.61') 4.7#, J-55, EUE 8rd, Kopple set @ 3580.61' w/ coupling on bottom and 1.81" ID F-nipple @ 3549', rig down

In Lieu of
Form 3160-4
(July 1992)

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

5. LEASE DESIGNATION AND LEASE NO.
SF-078762

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG **LOG 97** **FM 1:36**

7. UNIT AGREEMENT NAME

ROSA UNIT

1a. TYPE OF WELL: F 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

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #51

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 573-6254

9. API WELL NO.
30-039-26296

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1260' FSL & 1725' FWL
At top production interval reported below :
At total depth:

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
SE/4 SW/4 SEC 11-31N-5W

14. PERMIT NO. DATE ISSUED

12. COUNTY OR
RIO ARriba 13. STATE
NEW MEXICO

15. DATE
SPUDDED
07/30/2000
16. DATE T.D.
REACHED
08/02/2000
17. DATE COMPLETED (READY TO PRODUCE)
08-26-2000

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6787' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
3706' MD
21. PLUG, BACK T.D., MD & TVD
3680' 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 3470' - 3595'

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#	292'	12-1/4"	150 SX - SURFACE	
7" K-55	20#	3439'	8-3/4"	615 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	3365'	3594'	0 SX		2-3/8"	3581'	

31. PERFORATION RECORD (Interval, size, and number)

3470' - 3486', 3530' - 3540' & 3560' - 3595'
4 SPF (0.71")

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

Did not frac

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
8/26/00	3 hr	3/4"			49		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
25	300				392		

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 September 25, 2000

ACCEPTED FOR RECORD

NOV 01 2000

FARMINGTON FIELD OFFICE
BY *[Signature]*

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

5. Lease Designation and Serial No.
SF-078762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

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

8. Well Name and No.
ROSA UNIT #351

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-26296

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1260' FSL & 1725' FWL, SE/4 SW/4 SEC 11-31N-05W

11. County or Parish, State
RIO ARRIBA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
X Subsequent Report	Recompletion
Final Abandonment	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 @ 0500 hrs 7/30/00

APD/ROW

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

Signed

Tracy Ross
Tracy Ross

Title Production Analyst

Date August 1, 2000

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by

Title

Date

NOV 01 2000

Conditions of approval, if any:

FAIRMINGTON FIELD OFFICE

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.

NMOOD

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 17, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS 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 - 039-26296	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 351

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
N	11	31N	5W		1260'	SOUTH	1725'	WEST	RIO ARRIBA

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

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	2827039	O	
025244	WILLIAMS FIELD SERVICES ATTN: BUD ALMOND P O BOX 645 TULSA, OKLA 74102	2827040	G	

IV. Produced Water

²³ POD 2827041	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 7/30/00	²⁶ Ready Date 8/26/00	²⁷ TD 3706'	²⁸ PBDT 3680'	²⁹ Perforations 3470' - 3595'	³⁰ DHC, DC, MC
³¹ Hole Size 12 1/2"	³² Casing & Tubing Size 9 5/8" - 36#	³³ Depth Set 292'	³⁴ Sacks Cement 150 SX		
8 3/4"	7" - 20#	3439'	615 SX		
6 1/4"	5 1/2" - 17#	3594'			
	2 7/8" - 6.7#	3581'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date 09/21/00	³⁸ Test Length 3 HRS	³⁹ Tbg. Pressure 25	⁴⁰ Csg. Pressure 300
⁴¹ Choke Size 3/4"	⁴² Oil 0	⁴³ Water 0	⁴⁴ Gas 49	⁴⁵ AOF	⁴⁶ Test Method IP

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: September 25, 2000

Phone: 918-573-6254

OIL CONSERVATION DIVISION

Approved by: *ORIGINAL SIGNATURE OF APPROVING PERSON*

Title: DEPUTY OIL & GAS INSPECTOR

Approval Date: NOV - 2 2000

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104B
March 19, 2001

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to
appropriate District Office

Change of Operator Name

OGRID: 120782
Effective Date: _____

Previous Operator Name and Information:

Name: Williams Production Company
Address: One Williams Center
Address: P.O. Box 3102
City, State, Zip: Tulsa, OK 74101

New Operator Name and Information:

New Name: Williams Production Company LLC
Address: One Williams Center
Address: P.O. Box 3102
City, State, Zip: Tulsa, OK 74101

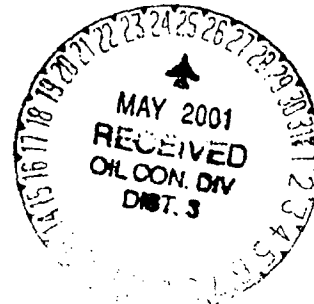
I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Tracy Ross

Printed name: Tracy Ross

Title: Production Analyst

Date: 4/30/01 Phone: 918/573-6881



NMOCD Approval

Signature: _____

Printed Name: _____

District: _____

Date: _____