

NSL

~~12/24/98~~
1/4/99


WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

7415 East Main
Farmington, New Mexico 87402
(505) 327-4892

December 9, 1998

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

DEC 14 1998

Re: Non-Standard Location
Williams Production Company
Rosa Unit #151A
1940' FSL, 920' FWL
Section 33, T32N R6W
San Juan County, NM
Blanco Mesa Verde

Dear Ms. Wrotenbery,

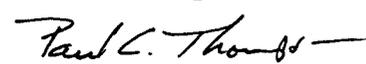
This is a request on behalf of Williams Production Company for administrative approval for a non-standard gas location in the Blanco Mesa Verde pool for the referenced well.

The proposed spacing unit is the west half of Section 33, T32N, R6W, which is 318.44 acres. The proposed location encroaches on the 790' setback required from the half section line. Williams moved this well to the present location at the request of the BLM to prevent the well from being placed at the top of a hill and to utilize part of an existing wellpad. Any other locations would require the construction of additional access road and unnecessary cuts in an area that is important for big game habitat.

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 upon me.

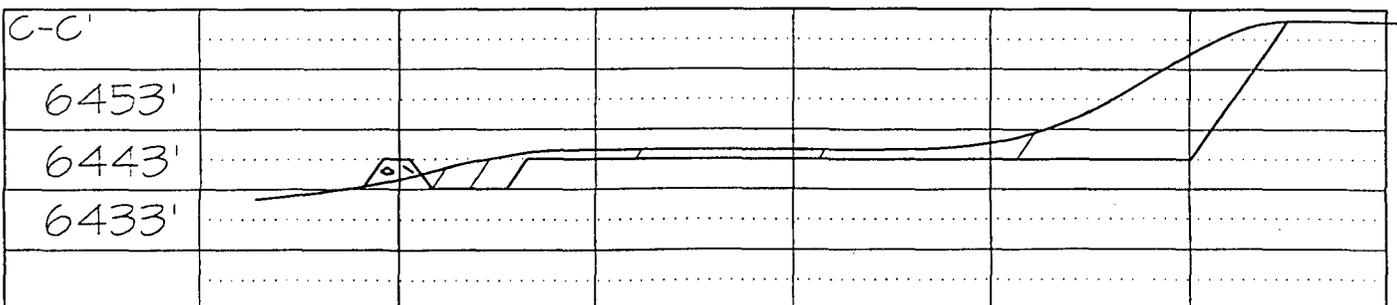
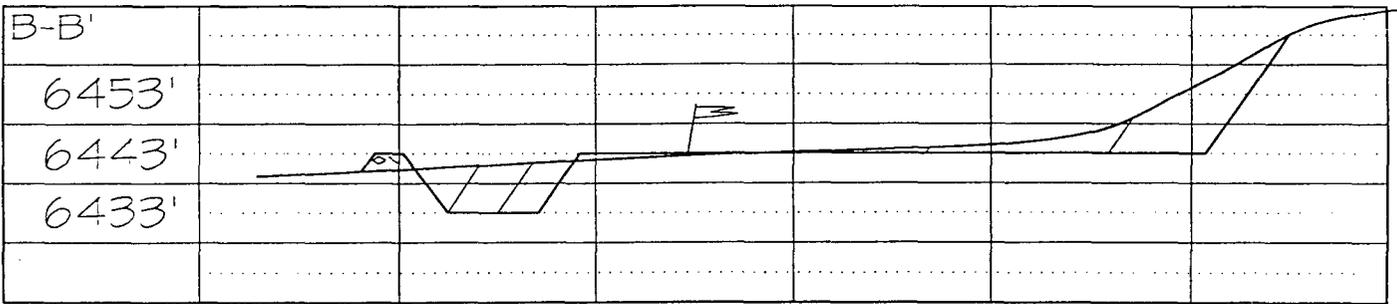
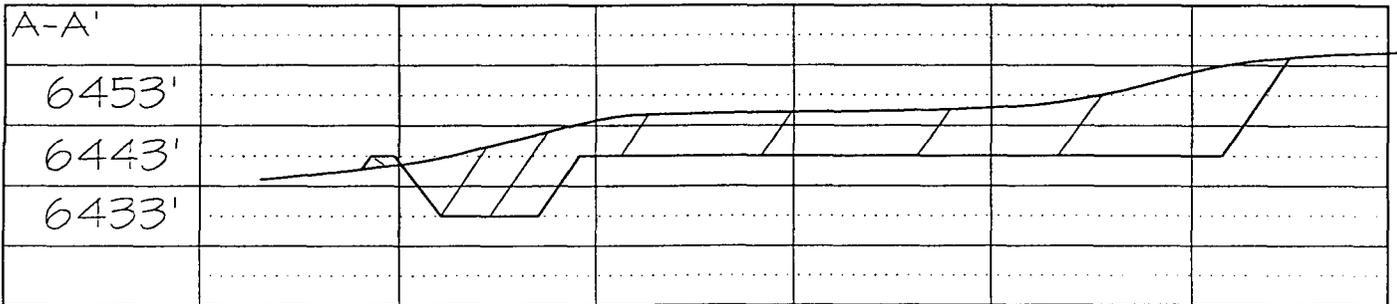
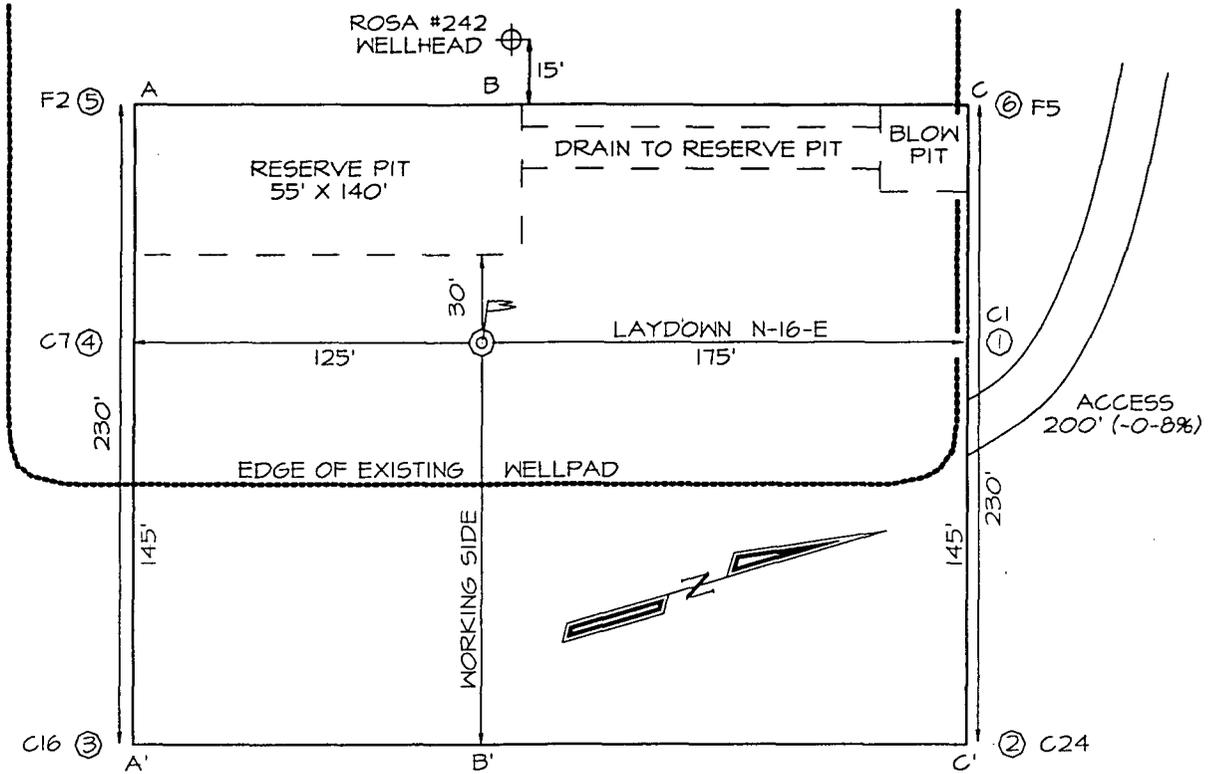
Sincerely,

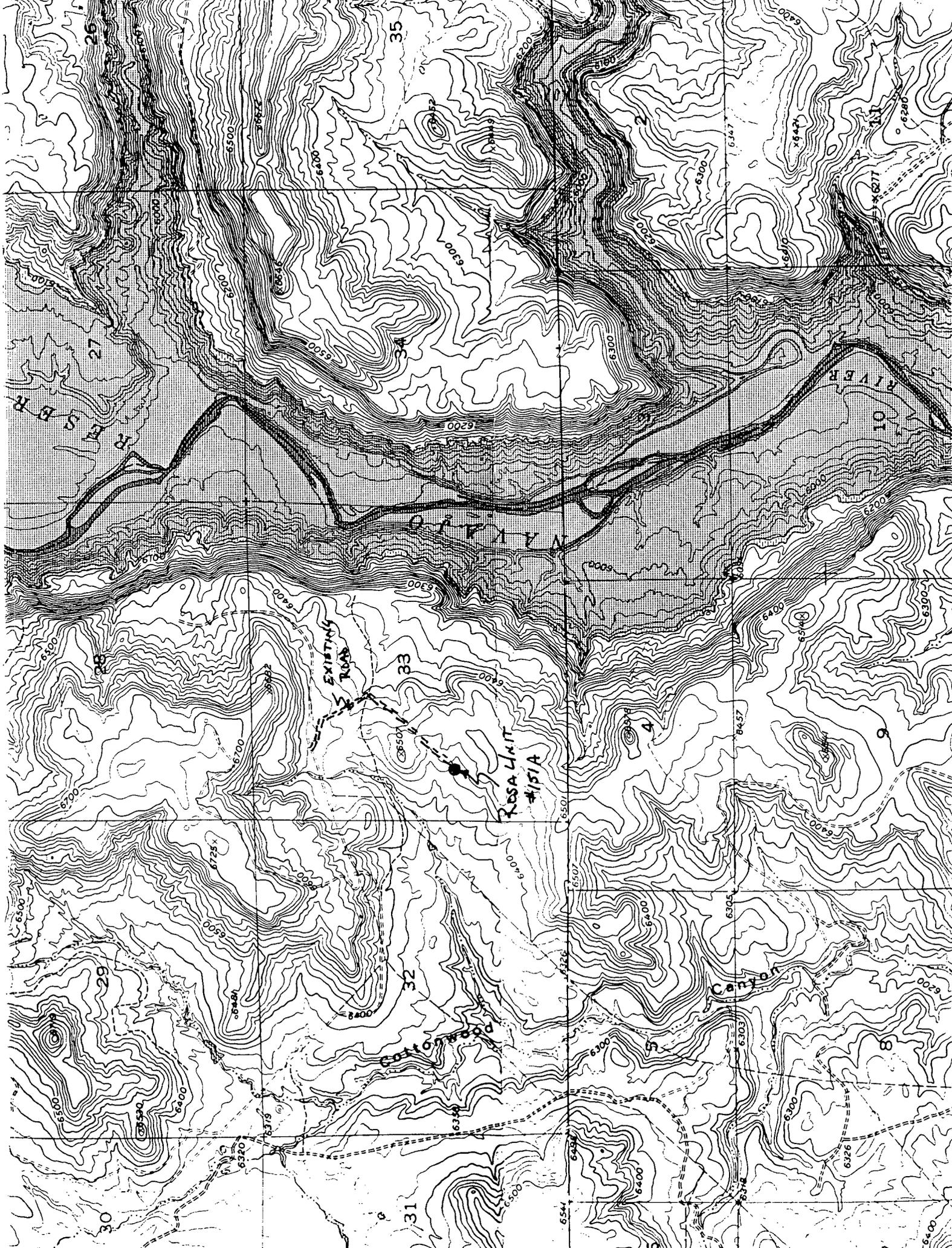


Paul C. Thompson, P.E.
President, Walsh Engineering

cc: NMOCD Aztec NM
BLM Farmington NM

**WILLIAMS PRODUCTION COMPANY
ROSA UNIT #151A, 1940' FSL & 920' FWL
SECTION 33, T32N, R6W, NMPM
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6443'**







STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 1, 1995

Northwest Pipeline Corporation
c/o Walsh Engineering & Production Corp.
7415 East Main
Farmington, New Mexico 87402

Attention: Paul C. Thompson, P.E.

Administrative Order NSL-3537

Dear Mr. Thompson:

Reference is made to your application dated April 4, 1995 on behalf of the operator, Northwest Pipeline Corporation, for a non-standard gas well location in the Blanco-Mesaverde Pool for your proposed Rosa Unit Well No. 151 to be drilled 1150 feet from the North line and 2205 feet from the West line (Unit C) of Section 33, Township 32 North, Range 6 West, NMPM, San Juan County, New Mexico. The W/2 of said Section 33 shall be dedicated to the well forming a standard 320-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rule 2(c) of the "Special Rules and Regulations for the Blanco-Mesaverde Pool", as promulgated by Division Order No. R-8170, as amended, the above-described unorthodox gas well location is hereby approved.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay".

William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

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

RECEIVED
BLM

98 DEC -4 PM 2:19

070 FARMINGTON, NM

SUBMIT IN TRIPLICATE		5. Lease Designation and Serial No. SF-078772
		If Indian, Allottee or Tribe Name
		If Unit or CA, Agreement Designation ROSA UNIT
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. ROSA UNIT #151A	
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-045-29631	
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 561-6254	10. Field and Pool, or Exploratory Area BLANCO MV	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1940' FSL & 920' FWL, NW/4 SW/4 SEC 33-T32N-R6W	11. County or Parish, State SAN JUAN, NM	

RECEIVED
DEC 11 1998

OIL CON. DIV.
BLM

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

11/11/1998

Move rig on location on the freeze. Location is too muddy to drive rig. Wait on rig up truck to help spot unit. Spot rig, ND wellhead and NU BOPs. Pick up 3-7/8" bit on 2-3/8" tubing and TIH. SD due to darkness. SDON.

11/12/1998

Brace on hydraulic leg of rig broke. The ground under the leg was soft and the rig sank on one side causing the leg to break. Rigged down and respotted the rig on the opposite side of the wellhead. Wait on welder to repair brace. Rigged up. Picked up 3-7/8" bit on 2-3/8" tubing and TIH. Tagged PBTD at 6092'. POH to 6029'. SDON.

11/13/1998

Rig up BJ and pressure test to 3500# - held OK. Spotted 500 gals. of 15% HCl across perf interval. TOH and install frac head. Rig up Petro and perforate Point Lookout at 5714, 17, 20, 23, 26, 29, 32, 35, 38, 41, 44, 47, 50, 53, 56, 59, 62, 64, 68, 78, 81, 84, 87, 90, 93, 98, 5808, 10, 20, 22, 49, 52, 64, 72, 76, 5904, 08, 12, 16, 38, 42, 56, 58, 6016, and 18. Total of 45 (0.36") holes.

Continued on Reversed Side

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

Signed SUSAN GRIGUHN

Title CLERK

Date December 11 1998

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

DEC 07 1998

Conditions of approval, if any:

FARMINGTON DISTRICT 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.

NMOCD

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

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

(See other instructions on
reverse side)

RECEIVED
BLM

5. LEASE DESIGNATION AND LEASE NO.
SF-078772

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

98 DEC - 4 PM 2:19

7. UNIT AGREEMENT NAME
ROSA UNIT

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION:
 NEW WELL WORKOVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

070 FARMINGTON, NM

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #151A

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6254

9. APT. WELL NO.
30-045-29631

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
A: Surface 1940' FSL & 920' FWL
At top production interval reported below : At total depth:

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
NW/4 SW/4 SEC 33-32N-6W

RECEIVED
DEC 11 1998

14. PERMIT NO. DATE ISSUED
12. COUNTY OR STATE
SAN JUAN NEW MEXICO

15. DATE SPUDDED 10-15-1998
16. DATE T.D. REACHED 10-20-1998
17. DATE COMPLETED (READY TO PRODUCE) 11-17-1998

18. ELEVATIONS (DK, RKB, RT, GR, ETC)*
6443' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6134'
21. PLUG, BACK T.D., MD & TVD 6110'

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)*
BLANCO MV 5202' - 6018'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES/GR and CDL/SNL

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
4-5/8" K-55	36#	267'	12-1/4"	150 SX - SURFACE	
7" K-55	20#	3613'	8-3/4"	610 SX - SURFACE	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3491'	6134'	330 sx		2-3/8"	6006'	

31. PERFORATION RECORD (Interval, size, and number)
CH/Menefee: 5202', 04', 06', 18', 24', 48', 50', 5306', 08', 14', 5400', 02', 42', 46', 48', 50', 86', 90', 92', 94', 96', 98', 5500', 02', 04', 12', 14', 16', 18', 48', 50', 78', 80', 5656', 58', 60', 62' and 64'. Total of 38 (0.38") holes.

Pt Lookout: 5714', 17', 20', 23', 26', 29', 32', 35', 38', 41', 44', 47', 50', 53', 56', 59', 62', 64', 68', 78', 81', 84', 87', 90', 93', 98', 5808', 10', 20', 22', 49', 52', 64', 72', 76', 5904', 08', 12', 16', 38', 42', 56', 58', 6016' and 18'. Total of 45 (0.38") holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5202' - 5664'	80,000# 20/40 Sand in 2608 BBIs slick water
5714' - 6018'	80,000# 20/40 Sand in 2130 BBIs slick water

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SH) SHUT IN	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
11-29-1998	3 HRS				542		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (COR)
328#	802#				4339		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: CHIK CHALEY

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 Susan Griguin

sg

TITLE Drilling Clerk

DATE December 1, 1998

ACCEPTED FOR RECORD

DEC 07 1998

NMOCD

FARMINGTON DISTRICT OFFICE

38 GEOLOGIC MARKERS

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).

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
OJO ALAMO	2356'	2980'					
FRUITLAND	2980'	3195'					
PICTURED CLIFFS	3195'	5125'					
CLIFF HOUSE	5125'	5474'					
MENEFE	5474'	5705'					
POINT LOOKOUT	5705'	6105'					
MANCOS	6105'						

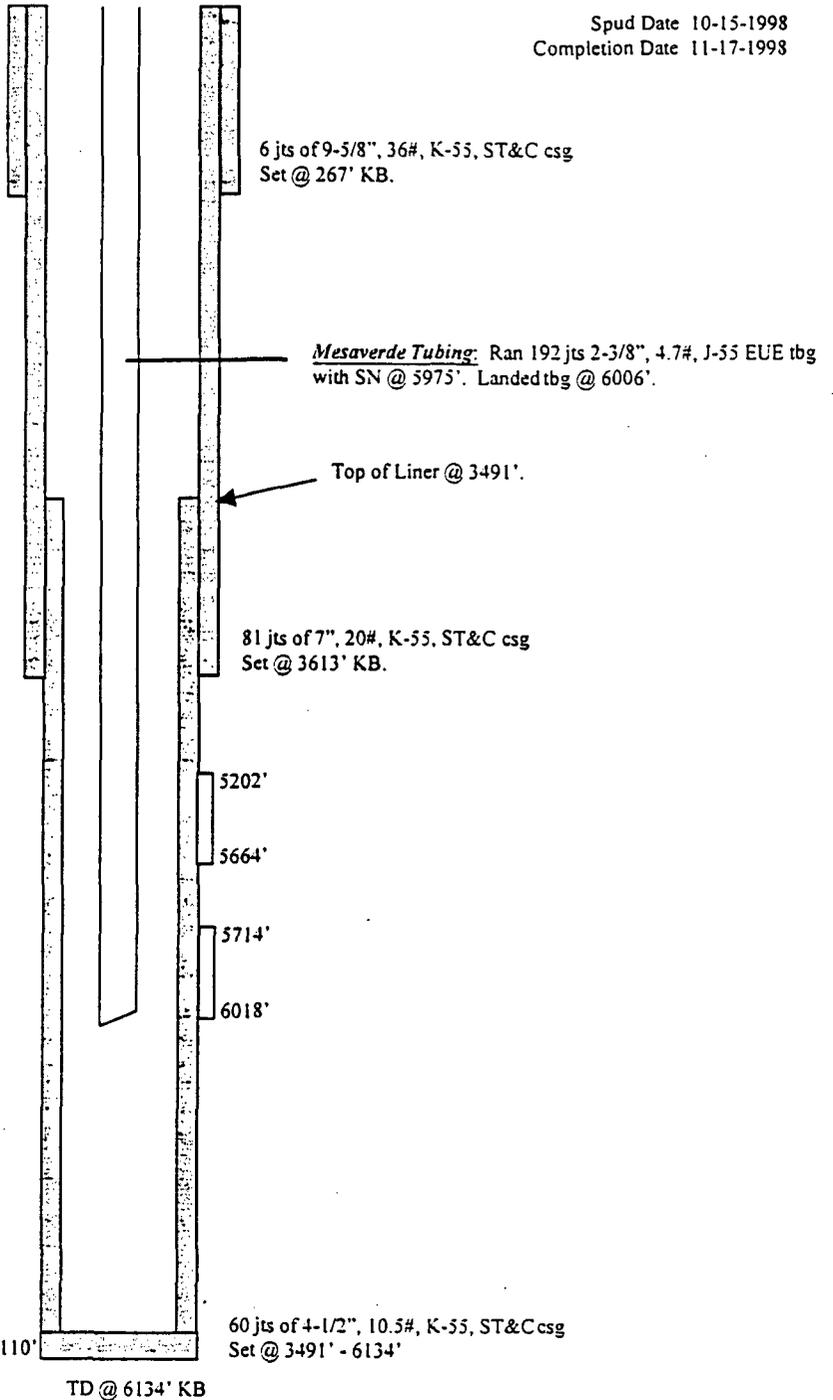
ROSA UNIT #151A BLANCO MESAVERDE

Location: 1940' FSL, 920' FWL
NW/4 SW/4 Section 33L, T32N, R6W
San Juan Co., NM

Spud Date 10-15-1998
Completion Date 11-17-1998

Elevation: 6443' GR
KB = 12'

Tops	Depth
Ojo Alamo	2336'
Kirtland	2490'
Fruitland	2980'
Pictured Cliffs	3195'
Cliff House	5125'
Menefee	5474'
Point Lookout	5705'
Mancos	6105'



STIMULATION

CliffHouse/Menefee 5202' - 5664' (38, 0.36" holes)
80,000# of 20/40 sand in 2608BBI's slick water.

Point Lookout 5714' - 6018' (45, 0.36" holes)
80,000# of 20/40 sand in 2130BBI's slick water.

HOLE SIZE	CASING	CEMENT	CMT TOP
12 - 1/4 "	9 - 5/8 "	130 s x	SURFACE
8 - 3/4 "	7 "	610 s x	SURFACE
6 - 1/4 "	4 - 1/2 "	330 s x	3510' (C B L)

**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 11/29/98		Well Number #151A						
Completion Date 11/17/98		Total Depth		Plug Back TD		Elevation		Unit	Sec	Twp	Rng
								L	33	32N	6W
Casing Size		Weight	d	Set At	Perforations: From To			County SAN JUAN			
Tubing Size		Weight	d	Set At	Perforations: From To			Pool BLANCO			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation MV			
Producing Thru Tubing		Reservoir Temp. of F		Mean Annual Temp. of F			Barometer Pressure - Pa		Connection		
L	H	Gq	%CO2	%N2	%H2S		Prover	Meter Run	Taps		
		0.6					3/4"				
FLOW DATA					TUBING DATA			CASING DATA			
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature of F	Pressure p.s.i.q	Temperature of F	Pressure p.s.i.q	Temperature of F	Duration of Flow		
SI		2" X 3/4"			1062		1064		0		
1					387	58	944		0.5 hr		
2					374	60	892		1.0 hr		
3					355	62	864		1.5 hrs		
4					337	64	836		2.0 hrs		
5					328	66	802		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				340	0.9943	1.29	1.036	4339		
2											
3											
4	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	1076	Pc ²	1157776								
NO	PtI	Pw	Pw ²	Pc ² -Pw ²	(1) Pc ² = 2.3380912		(2) Pc ² ∧n = 1.8908				
1		814	662596	495180	Pc ² -Pw ²		Pc ² -Pw ²				
2											
3											
4											
Absolute Open Flow		8204	Mcf @ 15.025		Angle of Slope _____			Slope, n		0.75	
Remarks:											
Approved By Commission:				Conducted By:				Calculated By:		Checked By:	

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-078772

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

23 OCT 30 PM 12:48

FARMINGTON, NM

7. If Unit or CA, Agreement Designation
ROSA UNIT

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
ROSA UNIT #151A

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-045-29631

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 361-6254

10. Field and Pool, or Exploratory Area
BLANCO MV

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1940' FSL & 920' FWL, NW/4 SW/4 SEC 33-T32N-R6W

11. County or Parish, State
SAN JUAN, NM

RECEIVED
NOV 20 1998
OIL CON. DIV.
DIST. 3

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

10-15-1998 MOL and RU. Spud surface hole @ 0000 hrs 10-15-1998. TD'd surface hole @ 0500 hrs 10-15-1998 with bit #3 (12-1/4", STC). Circulate and TOH. Running 9-5/8" surface casing @ report time. Deviation: 1° @ 275'.

10-16-1998 Ran 6 jts (253.13") of 9-5/8", 36#, K-55, ST&C csg. Set @ 267' KB. BJ cemented with 150 sx (179 cu.ft.) of cl "H" with 2% CaCl2 and 1/4# cello-flake/sk. Displaced plug with 18 BBls of water. Plug down @ 0800 hrs 10-15-1998. Circulated out 9 BBls of cmt. WOC. NU BOP's and PT to 1500#, OK. Drilled cmt and continued drilling new formation. Deviation: 1/4° @ 751'.

10-17-1998 Drilling ahead. Deviations: 3/4° @ 1217', 3/4° @ 1748', 1° @ 2238'.

10-18-1998 TD intermediate hole with bit #4 (8-3/4", RTC, HP51X) at 3605'. Circulate and TOH for logs. Rig up loggers and start logging. Deviations: 1/2° @ 2729', 2° @ 3235', 1/2° @ 3605'.

Continued on Reversed Side

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

Signed SUSAN GRIGUHN Title CLERK Date October 26, 1998

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

NOV 23 1998

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

FARMINGTON DISTRICT OFFICE
BY _____

10-19-1998 Halliburton ran IES/GR and CDL/CNL logs. TIH. LDDP and DC's. Change out rams & RU casing crew. Ran 81 jts. (3598.97') of 7", 20#, K-55, ST&C casing and landed at 3613' KB. Float at 3567'. Rig up BJ and precede cement with 10 bbls of water and 10 bbls of scavenger cement. Cemented with 480 sx (979 cu.ft.) of Cl "H" 65/35 poz with 10% gel, 2% CaCl₂ and 1/4# celloflake/sk. Tailed with 130 sx (189 cu.ft.) of Cl "H" 50/50 poz with 4% gel, 1/4# celloflake/sk, 0.4% FL-52, and 2% CaCl₂. Displaced plug with 145 bbls of water. Plug down at 1700 hrs 10/18/98. Circulated out 19 bbls of cement. ND BOP. Set slips w/ #65,000 and cut off casing. Nipple up BOP's and pressure test to 1500# - held OK. Drilled float and cement. Unloaded hole with nitrogen and continued drilling.

10-20-1998 Drilling ahead. Deviations: 1-1/4° @ 4100', 3-3/4° @ 4559', 3-1/2° @ 4724', 3° @ 4941'.

10-21-1998 TD well with gas and bit #5 (6-1/4", RTC. STR09) at 6130'. Blow hole clean and TOH for logs. Rig up loggers and log. Deviations: 2-3/4° @ 5994'.

10-22-1998 Finish running IES/GR and CDL/SNL logs. TIH and LDDP & DC's. RU casing crew and run 60 jts. (2643.43') of 4-1/2", 10.5#, K-55, ST&C casing and TIW 4-1/2"x7" liner hanger on drill pipe and landed at 6134' KB. Latch collar at 6110' KB and marker joint at 5016' KB. 121' of overlap into 7". Top of liner at 3491' KB. Rig up BJ. Precede cement w/ 20 bbls of gel and 10 bbls of fresh water. Cement with 80 sx (116 cu.ft.) of Cl "H" 50/50 poz with 4% Bentonite, 0.4% FL52 and 2% CaCl₂. Tailed with 250 sx (363 cu.ft.) of Cl "H" 50/50 poz with 4% Bentonite, 0.4% FL-52, 2% CaCl₂, and 1/4#/sk celloflake. Displaced plug with 67.5 bbls of water. Plug down at 1800 hrs 10/21/98. Set pack-off and circulate out 5 bbls of cement. Lay down DP and TIW setting tool. ND BOP's. Rig released at 2400 hrs. 10/21/98. Final Report.

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

RECEIVED
BLM
98 NOV -2 PM 1:55
070 FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078772
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 561-6254	7. If Unit or C.A. Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1940' FSL & 920' FWL, NW/4 SW/4 SEC 33-T32N-R6W	8. Well Name and No. ROSA UNIT #151A
	9. API Well No. 30-045-29631
	10. Field and Pool, or Exploratory Area BLANCO MV
	11. County or Parish, State SAN JUAN, NM

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 type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Spud Well</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 0000 hrs 10-15-1998.

RECEIVED
NOV 30 1998
OIL CON. DIV.
DIST. 3

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

Signed SUSAN GRIGUHN Title CLERK Date October 28, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ **ACCEPTED FOR RECORD**

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.

NMOC

BY

NOV 23 1998
FARMINGTON DISTRICT OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL OR DEEPEN 12: 35

1A. TYPE OF WORK
DRILL DEEPEN

B. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY OGRID 120782

3. ADDRESS AND TELEPHONE NO.
c/o Walsh Engr. & Prod. Corp.
7415 E. Main Farmington, NM 87402 (505) 327-4892

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1190' FSL & 795' FWL
At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.
SF - 078772

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO.
Rosa Unit #151A (17033)

9. AP WELL NO.
30-045-29631

10. FIELD AND POOL, OR WILDCAT
Blanco Mesa Verde 72319

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
4 Sec. 33, T32N, R6W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
25 miles NE of Blanco, New Mexico

16. NO. OF ACRES IN LEASE
2561.86

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1000'

19. PROPOSED DEPTH
6235'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6496' GE

22. APPROX. DATE WORK WILL START*
June 1998

OIL CON. DIV.
JUN 29 1998

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

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GENERAL REQUIREMENTS OF CEMENT
12 1/4"	9 5/8"	36#	250	157 cuft Cl "B" w/3% CaCl2
8 3/4"	7"	20#	3645	612 cuft 65/35 Poz184 cuft Cl "B"
6 1/4"	4 1/2"	10.5#	3545 - 6235	442 cuft Cl "B" w/4% gel & additives

WILLIAMS PRODUCTION COMPANY proposes to drill a vertical well to develop the Mesa Verde Formation at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by Southwest Archaeological Services. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline ROW. This well will be accessed by a new road 20'x 1050' which crosses the SW/SW and NW/SW of Section 33, T32N, R6W where it joins an existing road. This road crosses the SE/NW, NE/NW, and NW/NW of Section 33, the S/2 SE/4 SE/NW, N/2 NW/4, of Section 32, SW/SW of Section 29, SE/SE, NW/SE, SE/NW, and NW/NW of Section 30, all of T32N, R6W and the NE/NE of Section 25, T32N, R7W where it joins NM CR 4020. The pipeline route is shown on Plat #4.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 C. Thompson TITLE Paul C. Thompson, Agent DATE 3/24/98

(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 Harada TITLE Geologist DATE 6/24/98

*See Instructions On Reverse Side

1000 C-104 FOR USH @

District I
 Box 1980, Hobbs, NM 88241-1980

District II
 PO Drawer DD, 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

Form C-102
 Revised February 21, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

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

98 JUN 11 PM 12:41

AMENDED REPORT

070 FARMINGTON, NM
 WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29631		*Pool Code 77319	*Pool Name Blaine MW
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 151A
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6443'

¹⁰ Surface Location

U. or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
L	33	32N	6W		1940	SOUTH	920	WEST	SAN JUAN

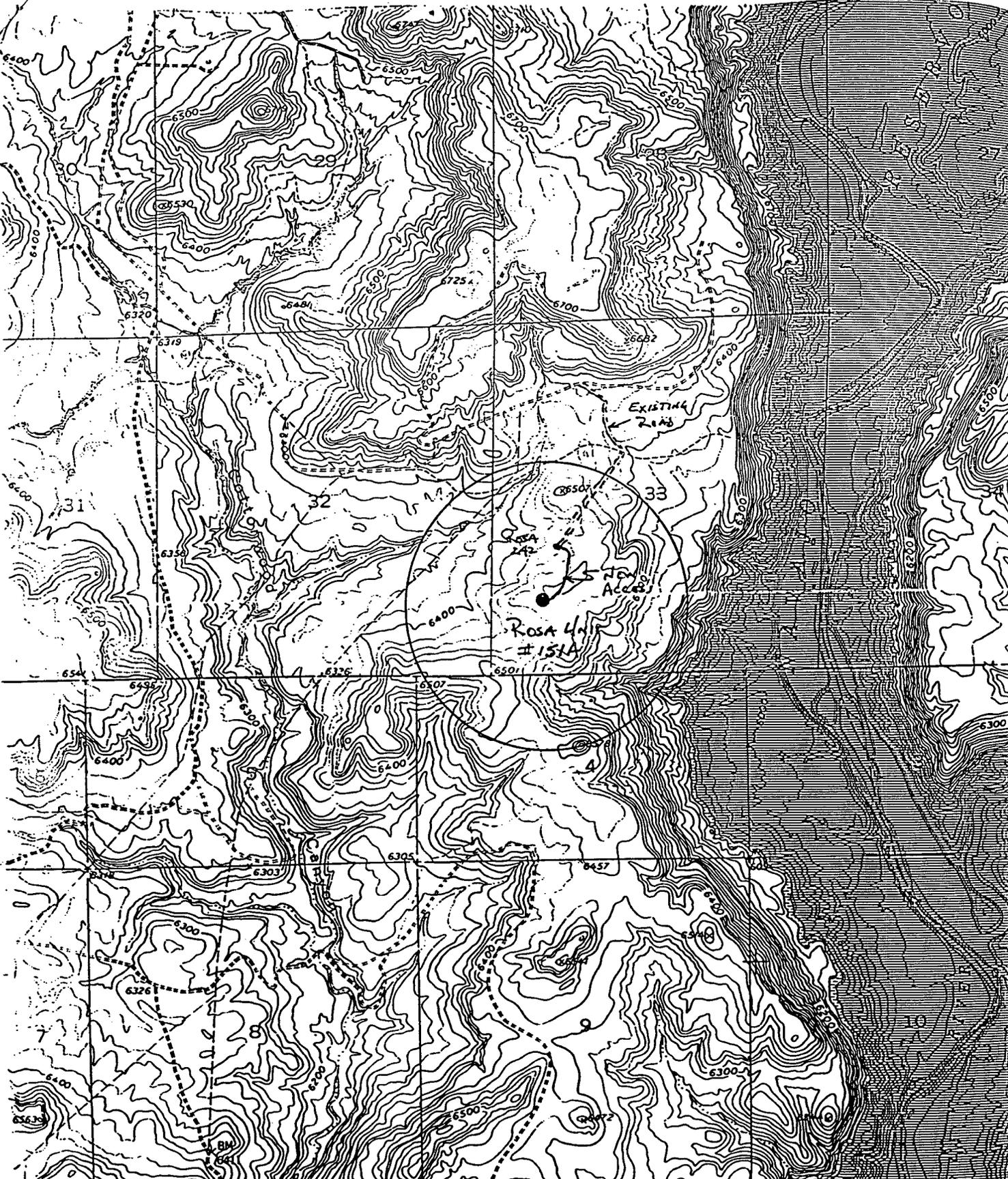
¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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

¹⁶ 	RECEIVED JUN 29 1998 OIL CON. DIV. DIST. 3	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name Agent Title 6/8/98 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. MAY 25, 1998 Date of Survey Signature and Seal of Professional Surveyor Certificate Number 6857	



PLAT #1

WILLIAMS PRODUCTION COMPANY
Rosa Unit #151A
1190'FSL & 795'FWL, Sec. 33, T32N, R6W
San Juan County, NM