STA ENE RES	TE OF N WMEXICO 5 U.J. Oil Conservation Division RGY, MINERALS AND NATURAL FORM C-108 ROY, MINERALS AND NATURAL FORM C-108 Revised June 10, 2003 OURCES DEPARTMENT Salta Fe, New Mexico 87505
I. II.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies remainistrative approval? X Yes No  OPERATOR: Walliam Refundation and Production
	ADDRESS: One Williams Center, MD 25-3, Tulsa, Ok 74172
	CONTACT PARTY: Kirk Place PHONE: 918-573-6250
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  Additional sheets may be attached if necessary.
IV.	Additional sheets may be attached if necessary.  Is this an expansion of an existing project? Yes X No  If yes, give the Division order number authorizing the project:  Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. See Attached.
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. See Attached.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. There are no wells penetrating the proposed depth interval for injection within the area of review.  Attach data on the proposed operation, including:  1. Proposed average and maximum daily rate and volume of fluids to be injected;  Average injection rate of 3000 Bbls/day. Maximum injection rate of 4320 Bbls/day.  Whether the system is open or closed;  The System will be closed.  3. Proposed average and maximum injection pressure;
VII.	Attach data on the proposed operation, including:
	1. Proposed average and maximum daily rate and volume of fluids to be injected;  Average injection rate of 3000 Bbls/day. Maximum injection rate of 4320 Bbls/day.
	2. Whether the system is open or closed; The System will be closed.  APTIO: 30 - 039 - 2705
	3. Proposed average and maximum injection pressure;  The proposed average injection pressure is 600 psi. The maximum injection pressure will be maintained below 1840 pounds per square inch or 0.2 psi/ft.
	4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
<	The source of injection fluid will be produced water from the Fruitland Coal formation. (See attached typical water analysis).  If Entrada formation water is attainable after completion, a compatibility test with Fruitland Coal water will be submitted.  If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).  The injection is for disposal purposes into a zone not productive of oil or gas. There is no production from the Entrada within one mile of the proposed location.
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.  The proposed injection zones are the Lower Morrison Fm. (est. 8200'-8495', 295 ft.) Bluffs 8s. (est. 8495-8665', 170 ft.), and the Entrada 8s (est. 8750-9075', 325'). There are no known aquifers below the Entrada Ss., which contain drinking water. The Ojo Alamo Ss. (2325'-2430') is the only known aquifer that is a source of drinking water overlying the injection zone.

IX. Describe the proposed stimulation program, if any.

The proposed stimulation program will consist of an acid/ballout breakdown and a hydraulic sand frac. The fracture treatment will be a 30# Borate fluid system carrying approximately 300,000 lbs 20/40 proppant in concentrations from 1 to 8 ppg.

06RID = 120782 Property = 3203/ POOL = 96162 Turn in CBL TO AZTEC-

*X./	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
V	No logs or test data available at present time.
*XI. /	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any
/	injection or disposal well showing location of wells and dates samples were taken.
$\sqrt{}$	There are no fresh water wells within one mile of the proposed injection well. There is only one fresh water well in the same
•	township and range, located approximately two miles away in Sec 32, T31N, R6W. The well was drilled in 1952 by El Paso
	Natural Gas. The well is not active and has a plate welded over the casing.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering
AII. /	data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground
/	sources of drinking water.
\/	An examination of geologic and engineering data indicates no evidence of open faults or any hydrologic connection between the
- <b>V</b>	disposal zone (Lower Morrison Fm, Bluff Ss., Entrada Ss.) and the drinking water zone (Ojo Alamo).
	and an analysis and a series (e.g. c. manie).
XXII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
/	BLM has surface rights and will be notified by registered mail, there are no other leasehold operators within one-half mile. Proof
:/	of publication is attached.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Kirk Place TITLE: Senior Drilling Engineer
	SIGNATURE: DATE: 3/5/04
	E-MAIL ADDRESS: Kirk.Place@Williams.com
*	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
	Please show the date and circumstances of the earlier submittal: The information for the listed sections was previously submitted
	in the Application For Authorization To Inject and approved by Administrative Order SWD-758
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

# INJECTION WELL DATA SHEET

Perforated Plastic Lined Tubing Set 50' below top perf  4 SPF @ .38"  Congestring Casing Top of Cement: 3400'  Plastic Lined Tubing Set Next Page 100'  See Next Page 100'  Longstring Casing	Hole Size: 9- ker cemented with:	Cemented with: 715  7 5/8" 26.4 #/ft J-55  Drilling Liner Set @ 6900"	Liner Top @ 3400'  10 3/4" 45.5 #/ft K-55 Intermediate Casing Set @ 3600'  Hole Size: 12-1/4"	13 3/8" 48 #/ft H-40 Surface Casing Set @ 500' Cemented with:440	WELLBORE SCHEMATIC	WELL LOCATION: 2420' FSL, 1210' FEL, I Section	OPERATOR: Williams Exploration and Production Company WELL NAME & NUMBER: Rosa Unit SWD #1
1	9-7/8 with:		12-1	7-	WELL CONSTRUCTION DATA Surface Casing	T LETTER SECTION TOWNSHIP RANGE	

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

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

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

State of New Mexico Energy, Minerals & Natural Resources Departit

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

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

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

AMENDED REPORT

Form C-102

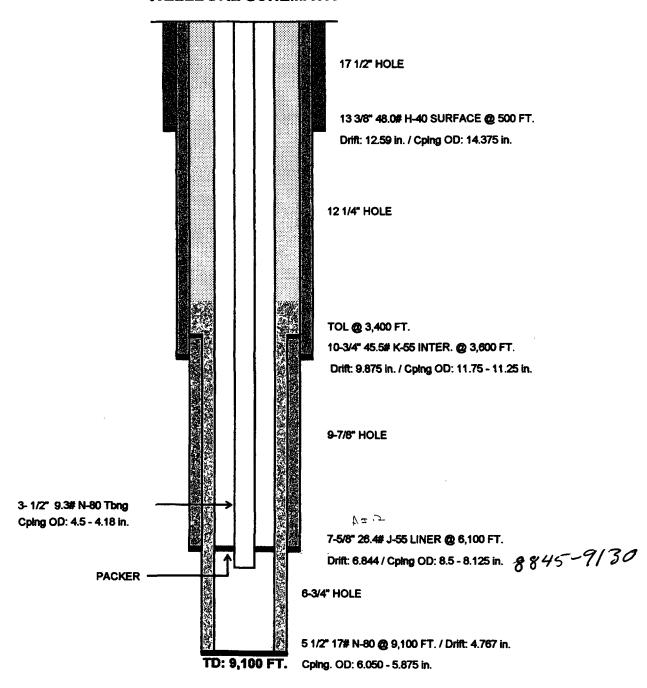
### WELL LOCATION AND ACREAGE DEDICATION PLAT

			ML.L.L.	LOUAT	COLL ALLO AC	TIEROL DED.		10.4	<del></del>		
\(\frac{1}{2}\)	API Number		سر ا	Pool Coo				Pool Nam		, ,	
0000	57-2	1000	9	le162	4 31	ND; Marris	501	Bluft	EN	trade	<u> </u>
Property	Code			•	*Property	Name /	•		-	*We	11 Number
320	3				ROSA UNI	1 SWD					1
'OGRID	No.				*Operator						levation
1207	82			WILLI	AMS PRODUC	TION COMPA	YNY			(	5243'
					<sup>10</sup> Surface L	ocation					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line		from the	1	est line	County
I	23	31N	БМ		2420	SOUTH	1	210	EA	ST	RIO ARRIBA
L	<del></del>	11 B	ottom	Hole L	ocation If	Different	Fro	m Surf	ace		1 2000
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet	from the	East/W	est line	County
•											
12 Dedicated Acres	1	13 Joint or Inf	111 14 Cons	olidation Code	<sup>25</sup> Order No.				<del>/</del>		
<i>N</i> .	N			·							
NO ALLOW	VABLE W	ILL BE A	SSIGNE	D TO TH	IS COMPLETIC	N UNTIL ALL	INTE	RESTS +	IAVE BE	EEN CON	ISOL IDATED
	•	OR A	NON-ST	ANDARD	UNIT HAS BE	EN APPROVED	BY TI	HE DIVI	SION		
16			52	280.00				<sup>17</sup> OPER	ATOR	CERTI	FICATION
] .				1	· ]		- 1	I hereby certifue and com	tify that th	e information best of my i	contained herein is unowledge and belief
1		1		ł	ı J				•		
1					į		Į		Λ.		
		] 		1	19 19 20 21 3		- 1		B		0
					A (C)	À	1	1	1) /	<u> </u>	f
		L		<b>_</b>	FED 5000	<del></del>			July (	/	
		1		<i>[</i> ]⊇	LER 5003	) 기	- 1	Signatur			
ŀ						272	١	John	C. Th	ompso	n.
		j L		12	₩. I		[	Printed			
		1.		10	ું	37	اۃ	Agent			
1:				1 46	0 - 1 - 1 🚫	7	8	Title 7/17/	02		
8		1			المستحدث	•	88	Date		<del></del>	
0 -	<del></del>	+		23 -			- つ)			CEDIT	5704770V
5280		1			[	Q- 10101	5	JUHV I hereby cert	EYUH	CEM(1)	FICATION
[""		1		ļ		1210'	- 1	was plotted to correct to the	from field n supervision we best of m	otes of actual and that the v helinf	on shown on this plat I surveys made by me same is true and
							ĺ			, 501.51.	
Ì		i		1			ł				,
		ļ		İ				JUNE :			
l v	IOM' MM	PHIMMA	0/0	1				Date of	SULVEY	Du	
	¬,¬\ <del>~   ~   ~   .   .  </del>	. خانفینگیند احد	·	<del></del> -		10		Signature and	C	DWAR	- Anna Anna Anna Anna Anna Anna Anna Ann
7	Z :11 W	10r 22	SOS	**	i	2420'		/3	N M M	E46/8	<b>?</b> \
	, , , , , , , ,	1		ı		12	1	<b>2</b>	2 (68	# <b>7</b>	
	(17)	المصال	]	ì				\ <sub>स</sub>	1 63	フル	<b>E</b>
	UI!		1			1	- {				<b>女</b>
		ĺ	_	1	•	1				SONAL S	
1		}	5	278.68		<b>₩</b>	)	Certific	OBE THE	UCI.	6857

# WILLIAMS SWD # 1



# **WELLBORE SCHEMATIC**



ln	Lie	U	e£	
Fo	rm	3	160	
洧	11742	ı	990	١

Conditions of approval.

# **UNITED STATES**

FORM APPROVED

Form 3160 (June 1990)		ENT OF INTERIOR AND MANAGEMENT	Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use this for	SUNDRY NOTICE AND to for proposals to drill or to deepen of	REPORTS ON WELLS or reentry to a different reservoir. Use "APPLICATION"	Lease Designation and Serial No. SF-078771
	TO DRILL" for perm	it for such proposals 203 MW 17	Fit 3: 36 If Indian, Allottee or Tribe Name
	SUBMIT IN	070 Farming	(On, NMf Unit or CA, Agreement Designation Rosa
I. Type of V			8. Well Name and No. Rosa Unit SWD #1
	Operator  MS PRODUCTION COMPANY		9. API Well No. 30-039-27055
-	and Telephone No. K 316 Ignacio, Colorado 81137 (97)	D)563-3308	t 0. Field and Pool, or Exploratory Area Entrada
	of Well (Footage, Sec., T., R., M., or SL & 1210' FEL. Sec 23, T31N, R6		11. County or Parish, State Rio Arriba, New Mexico
	CHECK APPROPRIA	TE BOX(s) TO INDICATE NATURE OF NOTICE. REP	ORT. OR OTHER DATA
TYPI	E OF SUBMISSION	ТҮРЕ	OF ACTION
X Subs	e of Intent sequent Report Abandonment	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other	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.)
direction Williams Produc	ally drilled, give subsurface locations	Clearly state all pertinent details, and give pertinent dates, in and measured and true vertical depths for all markers and an extension on the APD that was issued for ell in 2003, but plan to drill this well in 2004.	
-This ap	oproval uxpires:	FEB 1 4 2005	DEC 2003 PECHIVED OIL COMS. DIV. DIST. 8
14. I hereby	certify that the foregoing is true and of Larry Higgins	Title <u>Drilling C.O.M</u>	Date <u>11-17-03</u>
(This spa	t by	Title Petr. Eng.	Date 11 26/03



## **WILLIAMS PRODUCTION COMPANY**

### **OPERATIONS PLAN**

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE:

2/10/2003

**WELL NAME:** 

Rosa Unit SWD #1

FIELD:

Entrada

**SURFACE LOCATION:** 

NW/4 SE/4 Sec. 23- T31N-R6W

BLM

Rio Arriba, NM

**SURFACE:** 

**ELEVATION:** 

6243' GR

**MINERALS:** 

**FED** 

<u>LEASE #</u>

SF-078771

**MEASURED DEPTH:** 

9100'

L <u>GEOLOGY:</u>

Surface formation - San Jose

### A. FORMATION TOPS: (KB)

,	<u>MD</u>		_	<u>MD</u>
Ojo Alamo	2325'	Granerous sh	-	7635
Kirtland sh	2430'	Dakota ss		7745
Fruitland cl	2830'	Morrison fm		7995
Pictured Cliffs ss	3065'	Bluff ss		8495'
Lewis sh	3360'	Summerville fin		8665'
Cliff House ss	5270'	Todilto ls		8735'
Menefee	5315'	Entrada ss		8780
Point Lookout ss	5525'	Chinle fin		9075
Mancos sh	5835'			
Gallup ss	6855'	Total Depth		9100'
Greenhorn ls	7575'	-		

- B. LOGGING PROGRAM: DIT from surface casing to TD; LDT, CNT, ML, NGT, & MCST over interval of intrest(selected intervals by on-site Geologist). Subject to change as wellbore conditions dictate.
- C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Guage well @ 5896' and at 8056'. Record all gauges in Tour book and on morning reports.

### IL DRILLING

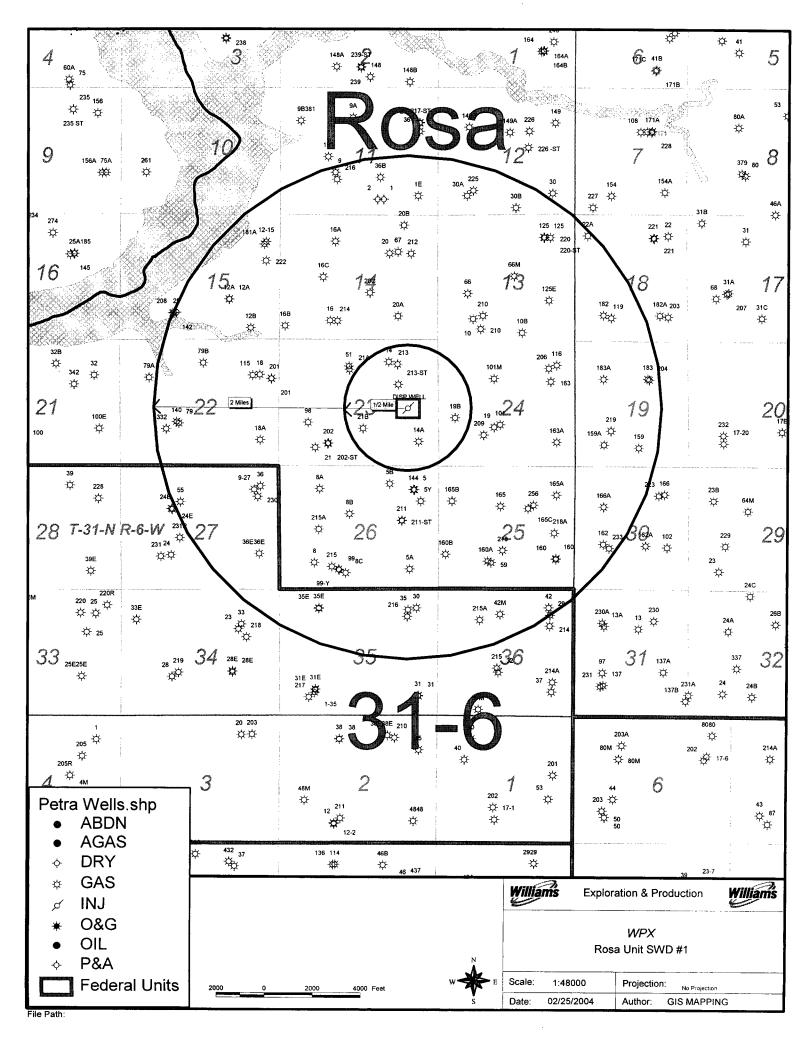
A. MUD PROGRAM: 17 1/2" Hole: Spud mud Gel Lime Slurry, 12-1/4" Hole: Low solids non dispersed with Quick Gell to add viscosity, 9-7/8" Hole: Will be air drilled through the Mesaverde into the Mancos shale. 6-3/4" Hole: Will be air drilled until water is incountered. At that point the hole will be "mudded up" with a Low solids non dispersed system with Quick Gel to add viscosity and barite to weight up as needed. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

## **Production Casing**

Hole Size:	6-3/4"		Casing S	ize: <u>5-1/2"</u>	<u> </u>
Cemented with: _	405	SX.	or	705	ft <sup>3</sup>
Top of Cement: _	3400'		Method I	Determined: _Calc	ulation_
Total Depth:	9100'	<del></del>			
		Injection In	nterval		
8	200'	feet	to	9100'	
		Perfora	ted		

# INJECTION WELL DATA SHEET

5. Giv	4. Has inte	3. Nar	2. Nar	1. Is th	Packer S Other Ty	Type of Packer:	Tubing Size:
Give the name and depths on injection zone in this area: zones above are the Dakota	the well ever	ne of Field or	ne of the Injec	is a new well o, for what pu	Packer Setting Depth: Other Type of Tubing	acker: A:	
	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.	Name of Field or Pool (if applicable):	Name of the Injection Formation:	Additional Data Is this a new well drilled for injection?  If no, for what purpose was the well originally drilled?	Other Type of Tubing/Casing Seal (if applicable):	row Se	3-1/2" 9.3 #/ft N-80
or gas zones ware no oil and gare no land gare land gare no land gare no oil and gare no oil a	any other zone		MORASON	Additional Data n? originally drilled?	plicable):	"x 3-1/2" (nick	
nderlying or ov as zones below	(s)? List all suent or plug(s) u	Wildcat	Entrada Entrada	ata  X Yes  ed?		el coated)	Lining Material:
any oil or gas zones underlying or overlying the proposed There are no oil and gas zones below the Entrada. The Oil and gas 7745'- 8145'), Point Lookout (5525'- 2525'), Menefee (5315'- 552	ch perforated sed. No			No No	N/A		Plastic Coated



# **Water Analysis Report**

Customer: Williams Production Company
Date Sampled: 10-Sep-02
Date Reported: 24-Sep-02
Date Received: 18-Sep-02

ddress:

City:

State:

Postal Code:

Date Received: 18-Sep-02

Field: Farmington

Lease: Farmington

Attention :Lance HobbsLocation :Rosa #223cc1 :Mark LepichSample Point :tank

cc2:

cc3 : Salesman : Clay Bingham Comments :

Analyst: Karen Hawkins Allen

**CATIONS** ANIONS

 Calcium:
 288 mg/l
 Chloride:
 3,460 mg/l

 Magnesium:
 282 mg/l
 Carbonate:
 0 mg/l

Barium: mg/l Bicarbonate: 4,990 mg/l

 Strontium :
 mg/l
 Sulfate :
 188 mg/l
 mg/l
 mg/l

**Iron:** 3.0 mg/l **Sodium:** 3350 mg/l

pH (field): 8.00 Specific Gravity: 1.010 grams/ml

Temperature:73degrees FTotal Dissolved Solids:12,561ppmIonic Strength:0.18CO2 in Water:1mg/i

CO2 in Gas: 0.03 mole %

Resistivity: ohm/meters

H2S in Water: 33.0 mg/l

Ammonia: ppm Dissolved Oxygen: ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI: 3.43 Calcite PTB: 251.7 Calcite (CaCO3) SI @ 100 F: 3.70 Calcite PTB @ 100 F: 251.8 Calcite PTB @ 120 F: Calcite (CaCO3) SI @ 120 F: 3.91 251.8 Calcite (CaCO3) SI @ 140 F: 4.13 Calcite PTB @ 140 F: 251.8 Calcite (CaCO3) SI @ 160 F: 4.35 Calcite PTB @ 160 F: 251.8 Calcite (CaCO3) SI @ 180 F: 4.59 Calcite PTB @ 180 F: 251.8 Calcite (CaCO3) SI @ 200 F: 4.82 Calcite PTB @ 200 F: 251.8 Gypsum (CaSO4) SI: -1.85 Gypsum PTB: N/A Barite (BaSO4) SI: N/A Barite PTB: N/A Celestite (SrSO4) SI: N/A Celestite PTB: N/A

Confidential
Champion Technologies, Inc.

Vernal District Technical Services Page 1 of 12

District I PO 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 Departi

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

6857

			WEl	LL	LOCAT	NO]	I AND A	CREAG	SE DED	ICAT	ION PL	ΑТ		
Α,	PI Numbe	<u> </u>			*Pool Coo					·	Pool Name			<del></del>
*Property	Code	···				F	Property		D	<del></del>			*We	11 Number
'OGRID N	<b>√</b> 0.				WILLI	AMS	*Operator 6 PRODUC		N COMP	ANY				levation 5243
.,						10 E	Surface	Locat	ion					
UL or lot no.	Section	Township	Ran	iĝe	Lot Idn	1	eet from the	North	/South line	Fee	t from the	East/We	st line	County
I	23	31N	64	٧			2420	S	HTUC	1	210	EA	ST	RIO ARRIBA
	1	11 [	3ott	om	Hole L	_00	ation I	f Dif	ferent	Fro	m Surf	асе		
UL or lot no.	Section	Township	Ran	eQ.	Lot Idn		Feet from the	North	/South line	Fee	t from the	East/We	est line	County
<sup>12</sup> Dedicated Acres		13 Joint or I	nfill '	<sup>14</sup> Cons	olidation Code		<sup>15</sup> Order Na.	,						
NO ALLOW	VABLE W	ILL BE OR A	IZZA 100 Z	GNE(	D TO TH ANDARD	IS UN:	COMPLETION OF THE COMPLETION O	ON UN	TIL ALL PROVED	INTE BY T	RESTS H HE DIVI	AVE BE SION	EN CON	SOL IDATED
15				52	280.00	1								FICATION contained herein is nowledge and belief
			· ——				<del>-</del>				Signatur	du C	<u>1</u>	
					·						/	C. Th	ompso	n .
										. 0	Agent			
. 00		1						 		80.0	7/17/ Date	02		
5280	 v =	<del> </del>		<u>·</u>	23 -	-		   • -	12101	528	18 SURV	EYOR	CERTI	FICATION on shown on this plat
	77 ::1 Ed				}				1210'		was plotted in or under my s correct to th	rom field no supervision e best of m	otes of actual and that the y belief.	on shown on this plat I surveys made by me same is true and
	22 MI 11: 44										JUNE 8	2, 19	99	
	_ = -	‡ 			<del></del>						Date of	Sh Vey	DIVIN	(veyor
	7007	<b>\$</b>  -						2420			NEA	X 68	· \0 \	S S

5278.68'

# WILLIAMS RODUCTION COMPANY ROSA NIT SWD #1 2420' FSL 1210' FBL, SECTION 23, T31N 6W, NMPM RIO ARRIBA CONTY, NEW MEXICO GROUND LEVATION: 6243' DRAINAGE FI (5) © C13 BLOW DRAIN TO RESERVE PIT RESERVE PIT 55' X 140' 5-74-E AYDOWN F5 (4) 125' 175 EXISTING ROADWAT **WORKING SIDE** 230' ACCESS (NO NEW) ACCESS (NO NEW) S(e<sub>N</sub> Plat #2 F4 B' **2** C6 EXISTING ROADWAY A-A' 62531 6243' 6233' B-B' 62531 6243' 6233' C-C' 6253' 6243' 6233' FILENAME: 316231T SHEET 2 OF 2 NCE SURVEYS, INC. DRAWN BY SLE CHECKED BY: NCE

on de la compactación de la comp

### AFFIDAVIT OF PUBLICATION

### Ad No. 49291

# STATE OF NEW MEXICO County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the CLASSIFIED MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Thursday, February 12, 2004.

And the cost of the publication is \$36.50.

ON CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

My Commission Expires April 2, 2004.

### **COPY OF PUBLICATION**

### 18 Lega PUBLIC NOTICE

Williams Exploration and Production Company will file an application on February 23,600 2004, for approval to inject is water produced from other oilcom and gas wells, into the was Entrada formation in the Rosa Unit SWD #1 located in the northwest quarter of the southeast guarter of Section 23 Township 31 North, Range 6 West, Rio Arriba County , New Mexico at a depth from 8100 feet to 9100 feet with sufface injection pressure up to 1840 pounds per square inch, and injection rates up to-4320 barrels per day.

Surface owners and offset ou operators must file any objections or request for public hearing with the New Mexico Oil Conservation Division 1220 South Stand Francis Dr. Santa Fe, New, Mexico 87505 within 15 days 3 0 of the date of this notice. The Williams Exploration and Production Company contact F: person is Kirk Place, One G Williams Center, MS 25-3, Tulsa, Ok 74172, telephone 918-573-6250. pusing

Legal No. 49291 published in The Daily Times, Farmington, New Mexico on Thursday, February 12, 2004.

		IAIL RECEIPT	e Coverage Provided)
6789			
8	Postage	\$	
3018	Certified Fee		
Į.	Return Receipt Fee (Endorsement Required)		Postmark Here
0024	Restricted Delivery Fee (Endorsement Required)		
	Total Postage & Fees	\$	
0.52	Recigient's Name (	Please Print Clearly) (To	be completed by mailer) Wana sernent
7000	Street, Apt. No.; or PO	a Plata	Hichway
-	City, State, ZIP+ 4 Farming	tor, N.M.	87401
Į	PS Form 3800, Februa	iry 2000	See Reverse for Instructions

Put your address in the "RETURN TO" Space on the rev card from being returned to you. The return receipt fee delivered to and the date of delivery. For additional fees postmester for fees and check box(es) for additional service 1.   Show to whom delivered, date, and addressee's ad	will provide you the name of the person the following services are available. Consult s(s) requested.
Bureau of Land Management 1235 La Plata Highway Farmington, New Medico	4 Article Number
87401	Always obtain signature of addressed or agent and <u>DATE DELIVERED</u> .
5. Signature Addressee  8. Signature Agent	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery	III FILL IIII . 3