UNITED STATES

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No.		ENT OF THE I				ANACE 070773			
APPLICATION FOR PERMIT TO DRILL OR REENTER Type of Work: DRILL REENTER	BUREAU C	IF LAND MANA	GEMENI		<u></u>	NMSF-078773	r Triba Nama		
Story of West: Oil West:	APPLICATION FOR I	PERMIT TO D	RILL OR R	EENTER		o. Il Ilidian, Anottee o	ii Tribe Name		
th. Type of Welt:	la. Type of Work: 🛛 DRILL	of Work: DRILL REENTER							
2. Name of Operator 3a. Address P. D. Rox 640 Aztec, NM 87410 10. Field and Pool, or Exploratory P. D. Rox 640 Aztec, NM 87410 10. Field and Pool, or Exploratory P. D. Rox 640 Aztec, NM 87410 11. Sec, T. R. M. or Bik. and Survey or Aze At nurface 10. To 740 F.N. 8 660 F.W. At proposed prod. zone 380m At nurface 10. To 740 F.N. 8 660 F.W. At proposed prod. zone 380m At nurface 10. To 740 F.N. 8 660 F.W. At proposed prod. zone 380m At nurface 10. To 740 F.N. 8 660 F.W. At proposed prod. zone 380m 11. Sec, T. R. M. or Bik. and Survey or Aze At nurface 12. County or Parish 13. State 380m f. No. of Acres in lesse 17. Spacing Unit dedicated to this well 2800 0 (W/2) 3. Distance from proposed centers 19. Proposed Depth 20. BLM/Bib Bond No. on file 19. Proposed Depth 20. BLM/Bib Bond No. on file 19. Security or Seas Int. 20. Security or Seas Int. 20. State of the Seas Int. 20. Security of Seas Int. 20. State of the Seas Int. 20. Security of Parish 20. State of the Seas Int. 20. State of t					-		ll No.		
As Address P.O. Box 640 Artee, NM 87410 As Address P.O. Box 640 Artee, NM 87410 As Incastion of Well (Report location clearly and in accordance with any State requirements.*) At surface Lot D: 740° FNL & 680° FWL At proposed good zone Same At surface Lot D: 740° FNL & 680° FWL At proposed good zone Same At surface Lot D: 740° FNL & 680° FWL At proposed good zone Same At zone A	lb. Type of Well: Oil Well 🛛 Gas Wel	Other	⊠ 5	Single Zone	ltiple Zone	272A			
Sa. Address 10. Fled-section () 10. Fl	•					9. API Well No. 39-	-29775		
11. Sec., T., R., M., or Blk. and Survey or Area At surface Loft D: 740' FNL & 660' FWL At proposed prod. zone Same 12. County or Pursh 13. State Approximately 15 miles and direction from nearest town or post office* 15. Distance from proposed* 16. No. of Acres in lease 17. Specing Unit dedicated to this well 18. Also to nearest diff, until line, if any) 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Attachments 24. Attachments 24. Attachments 24. Attachments 24. Attachments 25. Signature 26. Such other site specific information and/or plans as may be required by the subject of file of the speciation of the subject lease which would entitle the applicant to conduct office. 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Attachments 24. Attachments 24. Attachments 25. Signature 26. Special of the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest System Lands, the SUPO shall be filed with the appropriate Forest System Lands, the SUPO shall be filed with the appropriate Forest System Lands, the SUPO shall be filed with the appropriate Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). 18. Name (PrintedTyped) 19. Proposed Systems Lands of Supor State Service Office) 19. Supor State			3b. Phone N	o. (include area code)		10. Field and Pool, or E	xploratory		
Location of Well (Report location clearly and in accordance with any State requirements.*) At surface	P.O. Box 640 Aztec, NM 87410		(505)	634-4208	L	Basin Fruitland C	Coal		
A proposed prod. zone Best property of processed prod. zone Distance from proposed and prod. zone Distance from proposed coatsine to nearest well, deficient of this well Distance from proposed coatsine to nearest well, drilling, completed, applied for, on this less, fi. 20.00 Distance from proposed coatsine to nearest well, drilling, completed, applied for, on this less, fi. 21. Proposed Depth Distance from proposed coatsine Distance from proposed co	Location of Well (Report location clearly and in	accordance with any	State requiren	nents. *)		11. Sec., T., R., M., or I	3lk. and Survey or Area		
13. State of the miles and direction from nearest town or post office* approximately 15 miles northeast of Navajo City, New Mexico 320, Arriba NM 15. State of Navajo City, New Mexico 16. No. of Acres in lease 17. Spacing Unit dedicated to this well reportery or lease line, ft. (Also to nearest aftig, until line, if any) (Also to nearest aftig, until line, if any) (Bago' 19. Proposed Depth 20. BLM/BIA Bond No. on file spiped for, on the Island, and the Island No. on file spiped for, on the Island, and the Island No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file spiped for, on the Island, and Island No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of the Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Proposed byte Island No. on file 19. Proposed byte Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on file 19. Against a state of Island No. on fi	At surface Lot D: 740' FNL & 660'	FWL]				
Distance from proposed for approvimately 15 miles northeast of Navajo City, New Mexico Distance from proposed for the property of the following proposed for the property of	At proposed prod. zone same					D Section 25 21N	5\A/		
approximately 15 miles northeast of Navalo City, New Mexico Distance from proposed: (Also to nearest drig, unit line, if any) (Bisance from proposed location* (In Joseph Care) (In Joseph	Distance in miles and direction from nearest to	wn or post office*							
Distance from proposed location to pressed line, it line, if any) Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, fi. 4,920.00 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, fi. 2000 Elevations (Show whether DF, KDB, RT, GL, etc.) 6,588° GR 24. Approximate date work will start* 25. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,588° GR 24. Approximate date work will start* 25. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,588° GR 26. Approximate date work will start* 27. Spacing Unit dedicated to this well content on the state, file will be content on the state, file will start to see the content of the conten		•	dico.]	•			
bocation to peares (inc., fill time, if any) proposed location of to rearest well, drilling, completed, applied for, on this lease, fill 2000 320.0 (WiZ) Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, fill 2000 320.0 (WiZ) Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 1 month 1 month 2.4. Attachments e following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Signapare Name (PrintedTyped) Date D				Acres in lease	17. Spacing				
Distance from proposed Location* 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Blevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 24. Attachments 25. Estimated duration 26. Anni 1, 2006 26. Anni 1, 2006 27. Anni 1, 2006 28. Attachments 29. Anni 1, 2006 29. Anni 1, 2006 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Blevations (Show whether DF, KDB, RT, GL, etc.) 29. Anni 1, 2006 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Blevations (Will start* 21. Estimated duration 22. Approximate date work will start* 23. Estimated duration 24. Attachments 24. Attachments 25. Blevation to this form: 48. Bond to cover the operations unless covered by an existing bond on file (se liem 20 above) 25. Operator certification. 25. Operator certification. 25. Suph other site specific information and/or plans as may be required by the authorized officer. 19. Proposed Depth 20. BLM/BIA Bond No. on file 25. Blevations with will start* 26. Bond to cover the operations unless covered by an existing bond on file (se liem 20 above the perations unless covered by an existing bond on file (se liem 20 above the perations unless covered by an existing bond on file (se liem 20 above the perations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above the operations unless covered by an existing bond on file (se liem 20 above	property or lease line, ft.		4.00	0.00					
to nearest well, drilling, completed, applied for, not his lease, ft. 2000 1. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,588' GR 22. Approximate date work will start* 23. Estimated duration April 1, 2006 1 month 24. Attachments 1 month 24. Attachments 1 month 25. Estimated duration 1 month 26. Attachments 27. Estimated duration 1 month 28. April 1, 2006 29. Approximate date work will start* 29. Estimated duration 29. April 1, 2006 20. Approximate date work will start* 29. Estimated duration 20. April 1, 2006 20. Approximate date work will start* 21. Estimated duration 22. Approximate date work will start* 23. Estimated duration 23. Estimated duration 24. Attachments 4. Bond to cover the operations unless covered by an existing bond on file (se Internation 20 above). 5. Operator certification. 5. Such other site specific information and/or plans as may be required by the authorized officer. Signapare Name (PrintedTyped) Date Drilling COMP Larry Higgins. Name (PrintedTyped) Date Date Defining COMP Larry Higgins. Name (PrintedTyped) Date Drilling COMP Larry Higgins. Name (PrintedTyped) Date Drilling COMP Larry Higgins. Name (PrintedTyped) Date Drilling COMP Larry Higgins in the subject lease which would entitle the applicant to conduct erations thereon. And also approval, if any, are attached. It is U.S.C. Section 1001 and Tritle 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United attacks any false, fictions or fraudhent statements or representations as to any matter within its jurisdiction. Brilling Operations Authorized DARE SUBJECT TO COMP LANGE WITH ATTACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMP LANGE WITH ATTACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMP LANGE WITH ATTACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMP LANGE WITH ATTACHED		000							
1. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,588° GR 22. Approximate date work will start* April 1, 2006 23. Attachments 24. Attachments 25. Estimated duration 1 month 24. Attachments 25. Estimated duration 26. April 1, 2006 27. Approximate date work will start* April 1, 2006 28. Approximate date work will start* 29. Estimated duration 1 month 29. Attachments 4. Bond to cover the operations unless covered by an existing bond on file (see Inc. 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized differ. 5. Signapare Name (PrintedTyped) Name (PrintedTyped) Date 1/24/2006 Name (PrintedTyped) Date Office	to nearest well, drilling, completed,		1						
24. Attachments 26. In month 27. Attachments 27. Attachments 28. In accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Well plate certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filled with the appropriate Forest Service Office). Signapper Name (PrintedTyped) Date Date Diffice Diffice Diffice Office Office Office Office Office Office Office Diffice Diffice Diffice Office Diffice Diffice Diffice Office Diffice Diffice Diffice Diffice Diffice Office Office Diffice Di	200								
24. Attachments 24. Attachments Well plat certified by a registered surveyor. A Drilling Plan. Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Signapsfe Name (PrintedTyped) Date Date Date Directions of 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 conducterations of approval, if any, are attached. Let 8 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Uniterates any false, fictitious on fraudulent statements or representations as to any matter within its jurisdiction. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED DRILLING OPERATIONS AUTHORIZED ARE SUBJECT 170 COMPLIANCE WITH ATTIACHED	1. Elevations (Show whether DF, KDB, RT, GI	., etc.)	22. Appro	ximate date work will	l start*		1		
e following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Signapare Name (PrintedTyped) Larry Higgins Name (PrintedTyped) Date Intro-COM PrintedTyped) Date Intro-COM Name (PrintedTyped) Date Intro-COM Name (PrintedTyped) Date Larry Higgins Date 1/24/2006 Name (PrintedTyped) Date D	6,588' GR					1 month			
Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Signaphre Name (PrintedTyped) Larry Higgins Name (PrintedTyped) Date Date Date Diffice Porflied Office Diffice			24. Atta	chments					
Larry Higgins Larry Higgins 1/24/2006 Date Date Office Office Office Office Office Printed Typed) Date Disproved by the subject lease which would entitle the applicant to conduct erations thereon. Inditions of approval, if any, are attached. It is U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and will fully to make to any department or agency of the United ates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Instructions on reverse) Illiams Production Company, LLC, proposes to drill a well to develop the Basin Fruitland Coal formation at the above described location in accordance with a attached drilling and surface use plans. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdictio		est Service Office)		authorized off					
Date Drilling COM proved by Department of the Date Date Date Date Drilling COM Date Date Drilling COM	Town Aug -		144111	•					
Name (Printed/Typed) Office	tle			Carry ringgins					
office Office	Drilling COM 2						1		
poplication 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 cerations thereon. Instructions of approval, if any, are attached. Instructions on reverse) Illiams Production Company, LLC, proposes to drill a well to develop the Basin Fruitland Coal formation at the above described location in accordance with e attached drilling and surface use plans. Instructions on reverse plans. Ins	pproved by (Signatufe)	\mathcal{I}	Nam	e (Printed/Typed)			Date // / 8 (
title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United tates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. **Tinstructions on reverse** [filliams Production Company, LLC, proposes to drill a well to develop the Basin Fruitland Coal formation at the above described location in accordance with e attached drilling and surface use plans. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their report have been submitted directly to the semi. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their report have been submitted directly to the semi. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their report have been submitted directly to the semi. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction. The surface is under jurisdiction. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction. The surface is un	AFM.		Offic	FFO			, ,		
tates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. (Instructions on reverse) (Illiams Production Company, LLC, proposes to drill a well to develop the Basin Fruitland Coal formation at the above described location in accordance with the attached drilling and surface use plans. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their proper have been submitted directly to the sem. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their proper have been submitted directly to the sem. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their proper have been submitted directly to the sem. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their proper have been submitted directly to the sem. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdiction of the Carson National Forest. The surface is under jurisdict	perations thereon.	t the applicant holds	legal or equita	able title to those rights	s in the subject le	ase which would entitle	the applicant to conduc		
A 2346.20-foot pipeline tie would be required for this location. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED CARE SUBJECT TO COMPLIA					and willfully to	make to any department	or agency of the Unite		
ne attached drilling and surface use plans. The surface is under jurisdiction of the Carson National Forest. This location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their report have been submitted directly to the sem. A 2346.20-foot pipeline tie would be required for this location. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	Instructions on reverse)								
nis location has been archaeologically surveyed by La Plata Archaeological Consultants. Copies of their report have been submitted directly to the sem. (2346.20-foot pipeline tie would be required for this location. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".		to drill a well to de	evelop the Ba	sin Fruitland Coal fo	rmation at the	above described locati	ion in accordance wit		
2346.20-foot pipeline tie would be required for this location. AV 2006 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	e surface is under jurisdiction of the Carson	National Forest.			No. Land	O S	<u>සින්</u> දෙක		
action is subject to technical and subject to technical and subject to 43 CFR 3165.8 SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	is location has been archaeologically survey	ed by La Plata Are	chaeological	Consultants. Copies			directly to the BEN.		
Anna Clark	action is subject to techn ical and edural review pursuant to 43 CFR 3165.9	DRILLING OP Subject to	UUMPLIANCE	THORIZED ARE	MAY ST		0 PH 12 C		
AND THE STATE OF T					N. P. M.	11 91 Clare	Alba		

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 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

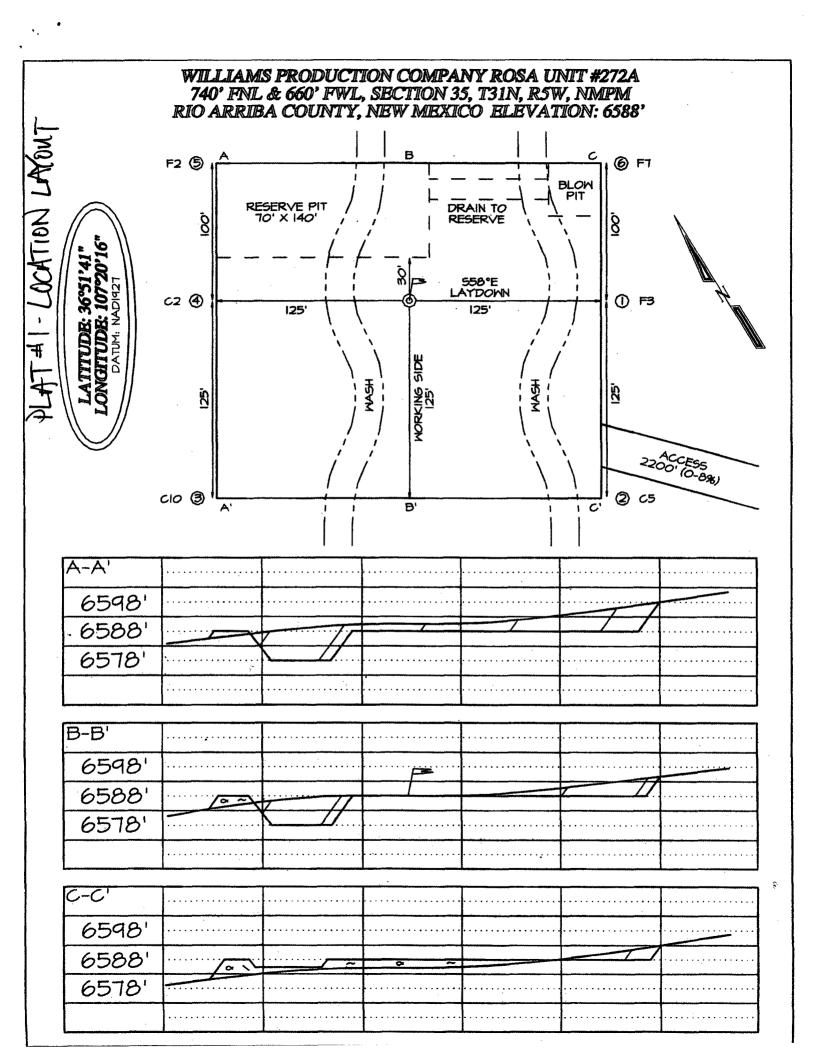
AMENDED REPORT

			WELL	LOCAT	ION AND	ACREA	GE DED	ICATIO	N PL	_AT		
7/	VPI Number	•		Pool Co	ode		······	ъþ	ool Nam	ie .	%	
30-00	39-2	9715	- .	7162	9		BA	SIN FI	RUITL	AND CO	AL	/ -
*Property 1703	1				,	ty Name UNIT		*Well Number 272A				
'OGRID 12078	7		· · · · · · · · · · · · · · · · · · ·	*Operat WILLIAMS PROD			V COMPAI	NΥ		/	*E	levation 6588
					¹⁰ Surface	Loca	tion			***************************************		
UL or lat no.	Section 35	Township 31N	Range 5W	Lot Idn	Fast from the 740	1	NORTH	Feet fr		Eest/Wes		County RIO ARRIBA
			ottom		ocation		fferent	From	Surf	ace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	Non	th/South line	Feet fr	on the	East/Wes	st line	County
Dedicated, Acres	320	.0 Acres	s - (W	/2)	¹⁹ Joint or Infill	³⁴ Conso	lidetion Code	²⁵ Order No.				
NO ALLOW	IABLE W	ILL BE A	SSIGNEI NON-ST	O TO TH	IS COMPLET UNIT HAS	ION UN	NTIL ALL PPROVED	INTERE BY THE	STS H	AVE BE	EN CON	SOLIDATED
660'			52	81.32					I hereby contained to the light of the light	y certify to derein in best of my	hat the strue are knowledge	e and belief

Date *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. 5280.00 Date Revised: SEPTEMBER 21, 2005 Survey Date: NOVEMBER 18, 2004 THE RESIDENCE OF OF LEASE Signature and Seal of Professional Surveyor C. EDWARDS SF-078773 MAL, MEXIC MAY 2006 A OFESSIONAL

בטפת תחי

Submit 3 Copies To Appropriate District Office	State of New Me		Form C-103
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natu	ral Resources	WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	DIVISION	5. Indicate Type of Lease FEDERAL X
District III	1220 South St. Fran	ncis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u>	Santa Fe, NM 87	7505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			Federal NMSF-0078773
SUNDRY NOTION	CES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC			Rosa Unit
PROPOSALS.)	•		8. Well Number 272A
1. Type of Well: Oil Well 2. Name of Operator	Gas Well 🛛 Other		9. OGRID Number 120782
Williams Production Company, LLO	C		
3. Address of Operator			10. Pool name or Wildcat
P.O. Box 640 Aztec, NM 87410			Basin Fruitland Coal
4. Well Location	the sent the sent CO feet from	- 414 1° -	
	om the north line and 660 feet from p 31N Range 5W		County Rio Arriba
Section 35 Township	11. Elevation (Show whether DR,	NMPM RKB. RT. GR. etc.)	
	6,588' GR		
Pit or Below-grade Tank Application O or			
	_	_	00'_ Distance from nearest surface water>500'
	Grade Tank: Volume	_bbls; Construction M	
12. Check A	appropriate Box to Indicate N	lature of Notice,	Report or Other Data
NOTICE OF IN			SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORL	K
TEMPORARILY ABANDON DULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL	CASING/CEMENT	
· ozz orczenia orczenia	MOETH LE COMM L	O, IOI/IO/OEI/IE/I	MV 3000 05
OTHER:		OTHER:	d give pertinent dates, including estimated date
			tach wellbore diagram of proposed completion
or recompletion.	,		
			Sept. Sept.
Drilling/Completion pit to be located	approximately 50-75 feet from we	ell head. Pit multi-us	se drilling and completion to avoid additional
site disturbance and pit will be consid	dered out of service once productio		be constructed, operated and closed in
accordance with NMOCD guidelines	and Williams procedures.		
I haraby cortify that the information	shove is two and complete to the h	004 of mary law arrelado	and hallof to a great and the
			e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .
SIGNATURE CONTRACTOR	AugeTITLE_I	Drilling COM	_DATE1/24/2006_
Type or print name Larry Higgins	E-mail address: larry.higgins(@williams.com	Геlephone No. (505) 634-4208
For State Use Only	211-	eun or 8 cas n	ASPECTION MIST AND MAY NO 2000
APPROVED BY: Conditions of Approval (if any):	TITLE	Change (in) (mathematic 88)	DATE OR LUYO





WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE:

1/24/2006

WELLNAME:

Rosa Unit #272A

Rio Arriba, NM

FIELD:

Basin Fruitland Coal

LOCATION:

NWNW Sec. 35-T31N-5W

SURFACE:

USFS

ELEVATION:

6,588' GR

MINERALS:

BLM

TOTAL DEPTH:

3,537'

LEASE#

SF-078773

I. GEOLOGY:

Surface formation - San Jose

A. FORMATION TOPS: (KB)

NAME	DEPTH	NAME	DEPTH
San Jose	Surface	Top Coal	3,327
Nacimiento	1,477	Bottom Coal	3,437
Ojo Alamo	2,707	Pictured Cliffs	3,437
Kirtland	2,807	TD	3,537
Fruitland	3,162		

- B. <u>LOGGING PROGRAM:</u> GR and Density/ Neutron log from intermediate shoe to TD. Density/ Neutron log from surface casing to TD. Onsite geologist will pick Density/ Neutron log intervals on both logging runs.
- C. <u>NATURAL GAUGES</u>: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. <u>MUD PROGRAM:</u> Clear water with benex to 7" casing point. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses. If coal is detected before 3,307' DO NOT drill deeper until Engineering is contacted.

B. Drilling Fluid: Coal section will be drilled with Fruitland Coal water.

C. MUD LOGGING PRORAM: Mud logger will be on location at drill out below 7" casing to TD.

D. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to 250 psi (Low) for 5 minutes and 1500 psi (High) for 10 minutes. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	DEPTH	CASING SIZE	WT. & GRADE
Surface	12-1/4"	+/- 300'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 3,307'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 3,207'- 3,437'	5-1/2"	15.5# K-55

B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1).
- 3. PRODUCTION LINER / CASING: 4-1/2" & 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place marker joint above 5,400'. Place centralizers as needed across selected production intervals.

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

- 1. SURFACE: Use 190 sx (264 cu.ft.) of "Type III" with 2% CaCl₂ and 1/4# of cello-flake/sk (Yield = 1.41 cu.ft./sk, Weight = 14.5 #/gal.). Use 150% excess to circulate the surface. WOC 12 hours. Total volume = 206 cu.ft. Test to 1500#.
- 2. INTERMEDIATE: Lead 450 sx (939 cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl₂ and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl₂ (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use 120% excess in Lead Slurry to circulate to surface. No excess in Tail Slurry. Total volume = 9063 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
- 3. PRODUCTION LINER: Open hole completion. No cement.

Rosa Unit #272A Operation Plan Page #3

IV COMPLETION

A. PRESSURE TEST

Pressure test 7" casing to 3300# for 15 minutes.

B. STIMULATION

<u>Cavitate Well</u> with reciprocation and rotation. Surge wells with water and air and then flow back to pit. Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

C. RUNNING TUBING

1. <u>Fruitland Coal:</u> Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing approximately 50' above TD.

Gary Sizemore

Sr. Drilling Engineer



GENERAL ROSA DRILLING PLAN

Rosa Unit boundries:

T31N, R4W: all except sections 32-36 T31N, R5W: all except sections 1 & 2

T31N, R6W: all except sections 6,7,18,20, & 27-36

T32N, R6W: sections 32-36

FORMATION	LITHOLOGY	WATER	GAS	OIL/COND	OVER-PRES	LOST CIRC
Nacimiento	Interbedded shales, siltstones and	Possible	Possible	No	No	No
	sandstones	l	L		L	
Ojo Alamo	Sandstone and conglomerates	Fresh	No	No	No	No
	with lenses of shale			i		
Kirtland	Shale W/interbedded sandstones	No	Possible	No	No	No
Fruitland	Inter, SS, SiltSt, SH &Coals w/carb,	Yes	Yes	No	Possible	Possible
	SS, SiltSt, SH	l	l			
Pictured	Massive Sandstone w/thin	Possible	Yes	Possible	No	Possible
Cliffs	interbedded shales	l		·		
Lewis	Shale w/thin interbedded sandstones	No	Possible	No	No	No
	and siltstones					
Cliff House	Transgressive sandstones	Possible	Yes	No	No	No
Menefee	Sandstones, carb shales and coal	Possible	Yes	No	No	No
Point	Regressive coastal barrier	Possible	Yes	Possible	No	Yes
_ookout	sandstone					
Mancos	Marine shale and interbedded sandstone	No	Possible	Possible	No	Possible
Jpr Dadota	Marine sand and shales	No	Yes	Possible	No	Possible
wr Dakota	Fluvial sands, shales, & coal	Possible	Yes	Possible	No	Possible

DRILLING

Potential Hazards:

- 1. There are no overpressured zones expected in this well.
- 2. No H2S zones will be penetrated while drilling this well.

Mud System:

- Surface The surface hole will be drilled with a low-solids, non-dispersed system with starch and lost circulation material as needed. Expected mud weights will be in the 8.4 to 9.0 lb per gal range. Viscosities will be in the 30 to 60 sec/qrt range as needed to remove drill cuttings.
- 2. Intermediate The intermediate hole will be drilled with clear water and Benex to TD where the well will be mudded up to log and run casing. The mud system will be low-solids, non-dispersed with mud weights in the 9 to 10 lb per gal range as needed to control the well. Viscosities will be in the 45 to 55 range as needed to support any weight material. The weight material will consist of Barite.
- Production The well will be drilled using air from the intermediate casing point to TD. For Fruitland Coal wells, the coal section will be drilled with air/mist.

viniants reduction Company, LLC

Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

Typical BOP setup

