Form 3160-4 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED
RECEI	OMB NO. 1004-0137 Expires: November 30, 20
LOG	5. Lease Serial No.

MCII COME	ETION	OR RECOMPL	ETION DEL	OPT A	ND I	റ്റ

									กต	1 8	2008n	1DA 70	01-98-00	)13, T	ract 4	_
la. Type of \	Well [	oil w	ell 🔀	Gas	Dry	Other					6. If	Indian, A	llottee or	fribe Na	me	=
b. Type of C	-	<del></del>	New		Work Over	Deepen	Ph	ng Back]U	<b>13</b> 0i6	kessand i	lanag	erjiear	illa Apad	che Tr	ibe	
	_		Other:	_			_		Farmin	gton F						•
2 Name of C	Inerator											Rec	e and Well	to l	CASE	_
	•	um- c	oo Doo	ources, l		c/o Mike P	innin I	I C (Aa	ont)	Ì						
3. Address	DIACK	nins G	as nes	ources, i		C/O WIRE F			clude area	code)			LLA 29	-02-15	5 #24	_
J. 140000								,			9. Al	PI Well N	lo.			
4 Y				nington, P			<u> </u>		27-4573	3		3	0-039-3	0535	-0051	
4. Location o	от weц (кер	ori iocan	ons cieari	y ana in acco	raance wiin	Federal requi	remenis)	, -			10. Field and Pool, or Exploratory				-	
At surface			197	75' FNL &	820' FEL	. Unit (H)	Sec.	15, T29I	N, R2W		Li	a Jara (	Canyon	Tertia	ry Ext.	
											11. S	ec., T., R	., M., or B	lock and	l	-
At top prod.	interval repo	orted belo	w									urvey or		1 15 2		_
											12. C	ounty or			13. State	
At total dept			1,,	D		· · · · · · · · · · · · · · · · · · ·	lic n.	. 0 1			12 0		Arriba	DT C	NM	-
14. Date Sp			13.	Date T.D. Re				e Complete D & A	Rcad	y to Prod.	17. E		(DF, RKE			
	11/17/08	3		1	1/24/08		_		16/08			7234	' GL &	7239'	КВ	
18. Total D	-		1570'	19. P	lug Back T.I		1522'		,	20. Depth	Bridge P	lug Set:				-
21 7 17	TV.		./	D (C-1		TVD		<del></del> -	22 Was	well cored?	1 <b>X3</b> N		TVD Yes (Subn	ait conv		
	. '			Run (Submi						well coreur DST run?	X N		Yes (Subn			
muucton	Log, De	isoity-iai	au on i	Log, wida	LOG, COL	-				tional Surv		-	Yes (S			
											-,-			<del></del>		-
23 Casing	and Liner Re	cord (Re	port all st	rings set in w	vell)	Stone C	ementer	No of	Sks &	Slurry Vo	<u> </u>					-
Hole Size	Size/Grade	Wt. (#/	ft.)	Top (MD)	Bottom (1	VID) 1 -	pth	Type of Cement		(BBL)	<i>"</i> .	Cement Top*		Amount Pulled		
12-1/4"	7"	23#		0'	275			250	), G	53		0' - ci	rc		0'	_
6-1/4"	4-1/2"	10.5	#	0'	1565	3'		145, POZ 43			294' - CBL			0'	_	
	<u> </u>				<u> </u>			<u> </u>								<del>-</del>
24 Tubing	Record	nn-a						T	<del></del>					<del></del>		_
Size	Depth Se		Packer l	Depth (MID)	Size	Depth S	et (MD)	Packer De	epth (MD)	Siz	<del>)</del>	Dept	Set (MD)	Pac	cker Set (MD)	_
2-3/8"	113	54'						<del> </del>		<del> </del>						-
26 D. J.	- I-		<u> </u>		· · · · · · · · · · · · · · · · · · ·	36 P	rforation	Danard		L						-
25. Product	Formation	1		Тор	Botton		erforated		T	Size	No.	Holes	· · · · · ·	Perf. St	tatus	-
A) Tert	iary (San	Jose)	$\dashv$	0'		1134	1134'-40', 1180'-84' 0.3			0.36"	76 Jopeng 20 2-			-		
					1	1216	1216'-19', 1262'-68'						1	<del>71 + -</del>	^ _/<	<u>نې</u>
													1/20		ZC ZC	_ જો
													<u> </u>	75	CIVE F	
27. Acid, F			ment Squ	eeze, Etc									<u>~ '</u>	The Car		
	Depth Inter		-			A * 1			and type of		4 - 4		E. Land			_
	'-40', 118					Acid	zea w	/930 gai	17-112%	HCL in	4 stag	es \	<del>2</del> 3	IL CON	IC DIV DICT	<del>.</del> 3 /
1216	5'-19', 12	62-68					····						/ Q) / Q)			ď
28. Product	ion - Interva	ıl A		<del></del>				<del></del>	· · · · · · · · · · · · · · · · · · ·	<del></del>			<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	'S 15 C	16	:50°/
Date First	Test	Hours	Test	Ол	Gas	Water	Oil Grav	nty	Gas		Products	n Method		4 to C	131 X	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr Al	PI	Gravity				_			
Ready Choke	12/15/08	Csa	24 Hr.	Off	Gas	mist Water	Gas Or	1	Well Status		<u> </u>		flowi	ng		_
Size	Tbg Press Flwg.	Csg. Press	Rate	BBL	MCF	BBL	Ratio	•	" on Status							
3/4"	<sup>PSI</sup> 20 psi		-	.	507							Shut	In			
28a. Produ	ction - Interv	val B	· · · · · ·		<del></del>							· · · · · · · · · · · · · · · · · · ·			··· · · · · · · · · · · · · · · · · ·	
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Grav	-	Gas		Producti	n Method	······································			-
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr A	ri	Gravity							
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas O	1	Well Status		1		·			_
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Rano	_					N. W.			
	SI	į .	-		1	ļ	1		1	-				ACCE	ם פסב הדדים	a_cont

(See instructions and spaces for additional data on reverse side)

**OPERATOR** 

DEC 1 9 2008

Produced Date Tested Production BBL MCF BBL Corr. API  Choke Tbg. Press. Csg. 24 Hr Oil Gas Water BBL Ratio  28c Production - Interval D  Date First Test Production BBL MCF BBL Corr API  Oil Gas Water Oil Gravity  Produced Date Tested Production BBL MCF BBL Corr API  Choke Tbg. Press Csg. 24 Hr. Oil Gas Water BBL Corr API  Choke Tbg. Press Csg. 24 Hr. Oil Gas Water BBL Ratio  Choke Tbg. Press Csg. 24 Hr. Oil Gas Water BBL Ratio  Oil Gas Water Gas Oil Well Status  29. Disposition of Gas (Sold, used for fuel, vented, etc.)  Vent  30. Summary of Porous Zones (Include Aquifers):  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 Descriptions, Contents, etc. Name Top Meas. Dep	28b. Prod	uction - Interv	al C							1	
Sec   Production   Instantal D   Description   Column				Test Production	Oil BBL	Gas MCF	1	Oil Gravity Corr. API	Gas Gravity	Production Method	
Territory O' — GAS  31. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  32. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  33. Circle exclosed datableneous.  Jicarrila 29-02-15 #24 - Territary gas well  34. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  35. Circle exclosed datableneous.  Jicarrila 29-02-15 #24 - Territary gas well  36. Descriptions of Cardon datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  36. Descriptions of Cardon datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  37. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  38. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  39. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  30. Circle exclosed datableneous (Include Plagging and Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  30. Circle exclosed datableneous (Include Plagging and Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  Jicarrila		Flwg.							Well Status	<u> </u>	
Territory O' — GAS  31. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  32. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  33. Circle exclosed datableneous.  Jicarrila 29-02-15 #24 - Territary gas well  34. Additional remarks (include plagging procedure):  Jicarrila 29-02-15 #24 - Territary gas well  35. Circle exclosed datableneous.  Jicarrila 29-02-15 #24 - Territary gas well  36. Descriptions of Cardon datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  36. Descriptions of Cardon datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  37. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  38. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  39. Circle exclosed datableneous (Include Application of Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  30. Circle exclosed datableneous (Include Plagging and Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  30. Circle exclosed datableneous (Include Plagging and Cardon):  Jicarrila 29-02-16 #24 - Territary gas well  Jicarrila	28c Prod	hiction - Interv	al D	1	<u> </u>	.l	- <b></b>				
Choke this Press   24				Test	Oil	Gas	Water	Oil Gravity	Gas Gravity	Production Method	<del></del>
29. Disposition of Cast Foold, used for field, wated, etc.]   29. Disposition of Cast Foold, used for field, wated, etc.]   Vont	Produced	Date	Tested	1	BBL	MCF	BBL	Corr API			
Vent 30. Summary of Porous Zones (Include Aquiforn): 31. Formation (Log) Markers  32. Additional remarks (include plugging procedure):  Formation  Top  Bottom  Descriptions, Contents, etc.  Name  Top  Mass. Dep  Tertiary  O' - GAS  Tertiary  O' - GAS  Tertiary  Tertiary  Tertiary  Tertiary  O' - GAS  Tertiary  O' - GAS  Tertiary  Tertiary  Tertiary  Tertiary  O' - GAS  Tertiary  Title  Petroleum Engineer (Agent)		Flwg.							Well Status		
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stern tests, including depth interval tested, cushion used, time tool open, flowing and short-in pressures and recoveries.  Formation  Top  Bottom  Descriptions, Contents, etc.  Nature  Top  Mess. Dep  Tertiary  O' — GAS  Tertiary  Tertiary (San Jose)  Surface  32. Additional remarks (include plugging procedure):  Jicarrilla 29-42-15 #24 - Tertiary gas well  33. Circle enclosed stackments.  1. Electrical/Adechanical Logs (I full set regel)  5. Sundry Notice for plugging and censeast vesification  5. Core Analysis  7. Other:  Nature  Petroleum Engineer (Agent)  Mike Pippin 505-327-4573  Tide  Petroleum Engineer (Agent)	•	osition of Gas	Sold, used j	for fuel, vent	ed, etc.)						
tests, including depth interval tested, cushion used, time tool open, flowing and shur-in pressures and recoveries.  Formation Top Bottom Descriptions, Contents, etc. Name Top Meas, Dep Tertiary O' — GAS  Tertiary O' — GAS  Tertiary (San Jose) Surface  Surface  32. Additional remarks (include plugging procedure):  Jicarilla 29-02-15 #24 - Tertiary gas well  33. Circle enclosed situaciments.  1. Electrical/Mechanical Logs (I full set revid.)  5. Sunday Notice for plugging and cessent verification  5. Core Analysis 7. Other:  36. Thurchy certify that the foregoing and structure information is complete and correct as determined from all available records (see situation instructions)*  Name (please print) Mike Pippin 505-327-4573 Tide Petroleum Engineer (Agent)										(Log) Markers	
Formation 169 Bottom Descriptions, Contents, etc. Name Meas, Department of the Contents of the	tests,	including dep									
32. Additional remarks (include plugging procedure):  Jicarilla 29-02-15 #24 - Tertiary gas well  33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cencent verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin  505-327-4573  Title  Petroleum Engineer (Agent)	Fo	ormation	Тор	Bottom		Descript	tions, Conten	ts, etc.		Name	Top Meas, Depth
32. Additional remarks (include plugging procedure):  Jicarilla 29-02-15 #24 - Tertiary gas well  33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Tide Petroleum Engineer (Agent)	Tertiary	,	0'	_	GAS				Tertiary (S	an Jose)	MD TVD Surface
32. Additional remarks (include plugging procedure):  Jicarilla 29-02-15 #24 - Tertiary gas well  33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Tide Petroleum Engineer (Agent)											
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)						t.					
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)											
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)	ı							,			
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)											
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)											
33. Circle enclosed attachments.  1. Electrical/Mechanical Logs (I full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  5. Core Analysis  7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)							,				
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)											and her are more as a second some second
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Mike Pippin 505-327-4573  Title Petroleum Engineer (Agent)				,							
5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:  36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print) Mike Pippin 505-327-4573 Title Petroleum Engineer (Agent)	33. Circl	e enclosed att	chments.								
Name (please print) Mike Pippin 505-327-4573 Title Petroleum Engineer (Agent)			_							4. Directional Survey	/
MAD.	36. I here	by certify that	the foregoin	ng and attach	ed information	is complete	and correct a	s determined from	all available records	(see attached instruction	ns)*
Signature Date December 16, 2008	Name	e (please print)		Mike Pi	ppin 50	5-327-457	73	Title	Petroleum	Engineer (Agent	·)
	Signa	abire		Make	of the	ein_		Daie	December	16, 2008	

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.