Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No 1004-0137

Produced A 05/08/2009 2 Production BBL MCF BBL Corr API Gravity Choke Tbg Press. Csg Flwg. Press Rate BBL MCF BBL MCF BBL Ratio 28a. Production - Interval B Date First Produced Date First Produced Tested Date Frest Core API Gas Water BBL MCF		•				ND MAN							Exp	ores: Jul	ly 31, 2010
Depth Plug Back Diff, Revv. Depth Plug Back Diff, Revv. Di		WELL	COMPI	ETION (OR REC	OMPLE	TION R	(EPORT	T AND L	OG				No.	*
2. Name of Operator SURCES CORP E.Mail: vidonaghe@engen.com S. Lease Name and Well No. JICARLILA 117 & SC		_		_	_		_	Plu	ıg Back	□ Diff. F	Resvr.	.	JICARILLA	APAC	CHE
CARILLA 117 E 5C Scale S			Oth	er		-						7. 0	init or CA	Agreem	ent Name and No.
FARMINGTON, NM 67401			URCES (CORP E	E-Mail: vdc	Contact onaghe@e	: VICKI E	ONAGHI com	ĒΥ		_				
At surface	3. Address	s 2198 BLO FARMINO	OOMFIEL GTON, NI	.D HIGHWA M 87401	Y					arca code)	9. A	PI Well No	30-0	39-30121-00-\$1
At top prod interval reported below	4. Locatio	,	•	•				•	s)*			10. E	Field and P BLANCO N	ool, or //ESAV	Exploratory /ERDE
At total depth NESW 2060FSL 1950FWL 38.45594 N Lat, 107.15267 W London 17.5 (2009)	•											11. 5	Sec., T., R., or Arca Se	M., or	Block and Survey 26N R3W Mer NMP
15. Date T.D. Reached 15. Date T.D. Reached 17. Elevations OF, RB, RT, GL)* 17. Elevations OF, RT, RT, GL)* 17. Elevations OF, R		-	•							.67 W Loi	n	12. (County or I	Parish	13. State
18. Total Depth:	14. Date S	pudded		15. D	ate T.D. Re		, 107.132	116. Date	e Complete	d Ready to P	rod.	ł	Elevations	DF, KI	4
21. Type Electric & Other Mechanical Logs Run (Submit copy of cach) 22. Was well cared? Was DST run? 38.0 7cs (Submit analysis) 7cs (Submit	18. Total I	Depth:		8100	· 1	9. Plug Ba	ck T.D.:	· MD				th Bri	dge Plug S	et:	
23. Casing and Liner Record (Report all strings set in well) Hole Size Size/Grade WL (#/ft.) Top Bottom (MD) Commit No. of Sks. & Slurry Vol. (BBL.) Cement Top* Amount Pulled	21. Type I	Electric & Otl	ner Mecha	nical Logs R	un (Submii MP	t copy of ca	ch)	140.		22. Was v	well cored	?	No No		
Hole Size												vey?	Ø No	Yes	(Submit analysis)
12.250 9.625 H-40 32.3 260 195 0	· · · · · · · · · · · · · · · · · · ·				T		m Stage	e Cemente	r No. of	Sks. &	Slurry	Vol.			
8.750 7.000 J-55 23.0 4233 795 1910 6.250 4.500 J-55 11.6 4077 8090 400 0 74 C 1910 24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 2.375 6110 25. Producing Intervals Formation Top Bottom Perforated Interval Size No. Holes Perf. Status A) MESAVERDE 6041 6120 6041 6120 0.430 132 3 SPF B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval A Dist First Freducial No. Holes Perf. Status Amount and Type of Material 6041 TO 6120 133,391 GALS FRAC FLUID & 128,200# 2040 SAND RCUD. JIIN 3 3 09 28. Production - Interval A Dist First Freducial Press. Fig. Press						(MD	(MD)				(BBL)		•		Amount Pulled
6.250															
24. Tubing Record Size									<u> </u>						Tac 1910'
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)	-														
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)		 							_		 				
2.375 6110 25. Producing Intervals 26. Perforation Record 5120 No. Holes Perf. Status Perf. Status No. Holes Perf. Status Perf.	24. Tubing	g Record			<u> </u>				<u> </u>		<u> </u>				
25. Producting Intervals				acker Depth	(MD)	Size L	epth Set ((MD) I	Packer Dept	th (MD)	Size	De	pth Set (M	D)	Packer Depth (MD)
Formation Top Bottom Perforated Interval Size No. Holes Perf. Status			6110			<u> </u>	26. Perfo	ration Rec	ord			<u> </u>		L	
B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 6041 TO 6120 133,391 GALS FRAC FLUID & 128,200# 20/40 SAND 28. Production - Interval A Date First Productod A 05/08/2009 2				Top		Bottom					Size	l l	No. Holes	T -	Perf. Status
C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 6041 TO 6120 133,391 GALS FRAC FLUID & 128,200# 20/40 SAND 28. Production - Interval A Date First Produced A 05/08/2009 2 Discrete Frest Production A 05/08/2009 2 Discrete Frest Production BBL MCF BBL Corr API Gravity Gas Gas Gas Water Gas Oil BBL Gas BBL RCF BBL Gas BBL RCF BBL Gas BBL RCF BBL Gas BBL Ratio Gas GSI ACCEPTED FOR RECOR 28a. Production - Interval B Date First Test Date Frest Test Test Test Date Frest Test Test Test Date Frest Test Test Date Frest Date Date Date Date Date Frest Date Frest Date		MESAV	RDE		6041	6120			6041 TC	6120	0.43	30	132	3 SPI	F
D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 6041 TO 6120 133,391 GALS FRAC FLUID & 128,200# 20/40 SAND 28. Production - Interval A Date First Product A 05/08/2009 2				· · · · · ·								-			
Depth Interval 6041 TO 6120 133,391 GALS FRAC FLUID & 128,200# 20/40 SAND 28. Production - Interval A Date First Produced Date A 05/08/2009 2	D)											+-		 	
28. Production - Interval A Date First Test Date Production Date Production Date Date				nent Squeeze	e, Etc.			1							
28. Production - Interval A Date First Produced Date Tested Production A 05/08/2009 2				120 133,391	GALS FRA	C FLUID &	128.200#			Type of M	laterial			aun.	PAR 2 INIT
28. Production - Interval A Date First Test Hours Test Production BBL MCF BBL Corr API Gas Gas Gravity FLOWS FROM WELL Choke Tog Press Flwg Press Rate BBL MCF BBL Ratio Gas Water Gas Oil Gas Water Gas Oil Ratio Gas Water Gas Oil Gas Production Method JUNI U JUST JUST Gas FARMING I District OFFICE Gas Oil Well Status FARMING I DISTRICT OFFICE Gas Oil Well Status Date Gas Oil Well Status Date Gas Oil Well Status Date Gas Oil Date Gas Oil Well Status Date Gas Oil Date G				20									X	1_4/11,	
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Gravity FLOWS FROM WELL Choke Tog Press Csg Press Flwg Press Si 180 625.0 O 7080 O O Oil Gravity Gas Oil Gravity Flows FROM WELL Choke Tog Press Csg 24 Hr. Oil Gas Water Gas Oil Ratio Gas Well Status Si 180 625.0 O Tost Hours Test Dil Gas Water Gas Oil Gas Production Method JUNI US JUST Choke Tog Press Csg 24 Hr. Oil Gas Water Gas Oil Well Status FARMING I DISTRICT OFFICE Choke Tog Press Csg 24 Hr. Oil Gas Water Gas Oil Well Status Div Status							•							IL CO	NS DIU
Produced A 05/08/2009 2 Production BBL MCF BBL Corr API Gravity Choke Tbg Press. Csg Press Rate BBL MCF BBL Ratio 28a. Production - Interval B Date First Produced Date Tested Production BBL MCF BBL MCF BBL Ratio Choke Tbg Press Rate BBL MCF BBL Ratio O 7080 0 GSI ACCEPTED FOR RECOR Corr API Gravity Gas Oil Ratio Gas Water BBL Gas Oil Gravity Corr API Gas Gas Gravity FARMING 10 is FILL OFFICE Choke Tbg Press. Csg 24 Hr. Oil Gas Water Gas Oil Well Status FARMING 10 is FILL OFFICE	28. Product	tion - Interva	Α											DĪ	ST. 3
Choke Tbg Press. Csg Press Rate BBL MCF BBL Ratio 28a. Production - Interval B Date First Date Trest Date Trested Production BBL MCF	Date First Produced												Production Method		
Size Five Si 180 625.0 Rate BBL 0 MCF 7080 BBL 0 Ratio GSI ACCEPTED FOR RECOR 28a. Production - Interval B Date First Date Test Date Froduction Test Production BBL MCF BBL Oil Gravity Corr API Gravity FARMING 10 is 10 OFFICE Choke Tbg Press. Csg 24 Hr. Oil Gas Water Gas Oil Well Status					— O				G 01		W-U Co-		FLOWS FROM WELL		
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Gravity FARMING 10 is FILL OFFICE Choke Tbg Press. Csg 24 Hr. Oil Gas Water Gas Oil Well Status	Flwg. Pross SI 180 625.0			BBL	MCF	MCF BBL				J		ACCEPTED FOR RECOF			
Produced Date Tested Production BBL MCF BBL Corr API Gravity FARMING 1 Use 1 LO OFFICE Choke Tbg Press. Csg 24 Hr. Oil Gas Water Gas Oil Well Status						7	T			Te.					
Choke Tbg Press. Csg 24 Hr. Otl Gas Water Gas Otl Well Status	Date First Produced											roduction			
	Choke Size								ul	Well St	atus				A OFFICE

(See Instructions and spaces for addutional data on reverse side)
ELECTRONIC SUBMISSION #70024 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

32. Additional remarks (include plugging procedure): 7* CASING - CBL - TOC @ 1910* 33. Circle enclosed attachments: 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 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission of #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER	28b. Prod	luction - Interv	al C		. "				 .						
Date The Press Date Press Date D	Date First Test Hours										Production Method				
Size Production - Interval December	Produced	Date	Tested	Production	BBI.	MCF	BBL	Corr API	Gr	ravity					
28. Production - Interval D Total Task Hour Travial D Total Tota		Flwg							w	'ell Status	<u> </u>				
Date Total Product	28c. Prod		al D		1										
Programmer Pro											Production Method				
29. Disposition of Gas/Solid, used for fuel, wheel, etc.) CAPTIRED 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 To NACIMIENTO QUO ALAMO 344 FRUITLAND 376 FRUITLAND 386 PICTURED CLIFFS 386 CLIFF HOUSE SANDSTONE 39. CLIFF HOUSE SANDSTONE 39. Cliff HOUSE SANDSTONE 39. Cliff HOUSE SANDSTONE 30. Cliff Cenclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 3. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, seet to the Rio Fuerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09.3XL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER		Flwg.							W	ell Status	· <u> </u>				
30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tess, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name To Meas. 1 NACIMIENTO QUO ALAMO 544 FRUITLAND 374 KIRTLAND 389 CLIFF HOUSE SANDSTONE 361 LEWIS CLIFF HOUSE SANDSTONE 375 CASING - CBL - TOC 9 1910 376 377 378 378 378 378 379 379 379	29. Dispo	sition of Gas(S	Sold, used	for fuel, ven	ted, etc.)										
Show all important zones of providity and contents thereof. Corod 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 To NACIMIENTO 244 OJO ALAMO 344 FRUITLAND 377 NIRTLAND 377 NIRTLAND 377 NIRTLAND 379 PICTURED CLIFFS 388 CLIFF HOUSE SANDSTONE 546 CLIFF HOUSE SANDSTONE 546 CLIFF HOUSE SANDSTONE 546 CLIFF HOUSE SANDSTONE 546 NIRTLAND 377 NIRTLAND 37			Zones (Ir	nclude Aquife	ers):					I 31. For	mation (Log) Markers				
32. Additional remarks (include plugging procedure): 7 CASING - CBL - TOC @ 1910 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set req'd.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all variable records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, seet to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/07/2009 (09JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER	Show tests, i	all important a	zones of n	orosity and c	ontents the	reof: Core ne tool ope	d intervals and en, flowing an	d all drill-stem d shut-in pressu	ures		ν				
32. Additional remarks (include plugging procedure): 7* CASING - CBL - TOC @ 1910* 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set req'd.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOLECES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 96/02/2009 (99JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENSINEER		Formation		Top	Botton	, T	Descripti	ons, Contents, o	etc.		Name	Тор			
32. Additional remarks (include plugging procedure): 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set reg'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/09/2009 (93)XL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER				10p	Dotton	<u> </u>	Descriptions, Contents, etc.				Meas.				
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 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER	32. Additi 7" CA	onal remarks (SING - CBL -	include p	lugging proc	edure):					OJO FRU KIR PIC LEV	D ALAMO JITLAND TLAND TURED CLIFFS VIS	3428 3712 3842 3884 4010 5468			
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 6. Core Analysis 7 Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER															
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER				= (1 full eat ro	a'd \		2 Goologie	e Report	. —	3 DST Dom	ort 4 Direction	nal Survey			
Electronic Submission #70024 Verified by the BLM Well Information System. For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Namc (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER									•						
For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 06/02/2009 (09JXL0003SE) Namc (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER	34. I hereb	by certify that t	the forego	oing and attac	hed inform	ation is co	mplete and co	orrect as determ	ined from a	all available	records (see attached instruction	ons):			
Name (please print) CHARLIE DONAHUE Title DISTRICT ENGINEER					For EN	ERGEN R	ESOURCES	CORP, sent t	o the Rio l	Puerco					
	Name	(please print) (CHARLI			SS for pro	cessing by JI								
Supratura (Electronic Submission)	Ç	Signature (Electronic Submission)								Date 05/18/2009					
arghature (Ciectronic Judinission) Date 05/16/2009	Signat	uic	(Electron	iic oudmissi	OH)			Date	Date VOI TOIZOUS						
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															