Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

	WELI	. COMP	LETION	OR REC	OMPLET	ION RE	PORT	AND LO	G		5	Lease Se			
la. Type	of Well	7 Oil We	ll 🔀 Gas	Well [Dry	Other					6	JIC 1		or Tribe Name	
	L.		New Wel		rk Over 🦵	Deepen		Plug Back		iff.Re:	SVr _	Jicar	illa 2	Apache	
	of Completion:	Oth				Deepen	L	Tiug Dack		III.NC	7	. Unit or C	A Agree	ment Name and No.	
2. Name of	•		_								8	. Lease Na	me and V	Well No.	
3. Addres	est Operat S	ing, Li	<u>c</u>] 3a.	Phone No.	include d	area c	ode)	Jicarilla C #5N			
	Fannin St.	Ste	800			[c=	ļ	<u>-ک، 113</u> -			, 9	API Well.	. No. 3 9–298 :	10	
	on of Well (Rep			nd in accord	dance with	Federal <u>r</u> e	quirem	ents)*		ı)	10			Exploratory	
At surfa	^{ace} 700'	FSL &	2,350'	FEL										allup Associate	
							00	T 062	010			Sec., T., Survey o	R., M., o r Area	r Block and	
At top p	rod. interval rep	orted belo	ow								12	Sec 2 County o		N, 05W 13.State	
At total	depth							ngton Field Fland iVia				.county o			
14. Date S	Spudded	15. Da	te T.D. Rea	ched		16. Da	te Com	pleted	เบลนิยแ	ICI II				New Mexico RKB, RT, GL)*	
							D & A	La:	Ready	to Pr	od.				
	24/10	 	06/10	10 DI D	1.55	<u> </u>		18/10	1 00 F		D. I I D		7 GL		
18. 10tai.	Depth: MD TVD		537 533	19. Plug Ba		VID CVD	7,	532	20. 1	Jeptn	Bridge Plu	_	MD ΓVD		
21. Type 1	Electric & Othe	^		un (Submit	copy of eac	h)			22. W	as wel	l cored?	x No		Yes (Submit analysis)	
									1	'as DS'		x No		Yes (Submit report	
	/ GR / CCI g and Liner Rec		rt all string	e sat in wal	<i>n</i>				D	irectio	nal Survey?	x No	Ц_	Yes (Submit copy)	
			1	1		Stage Cem	enter	No.of Sl	rs &	Shi	rry Vol.				
Hole Size	Size/Grade	Wt.(#ft.)			Depth Type of Cement (BBL)							Cement		Amount Pulled	
12 1/4	9 5/8	36#		0 430 230								0			
8 3/4	7 L-80	23#	0	3,	456	2 54		165 320				0			
6 1/4	4 1/2	11.6#	0	7	537	2,544 320 300					3,560				
0 1/3	7 1/2	11.01	1 0	- - ' '	337				^				00		
24. Tubin	g Record							<u> </u>						·	
Size	Depth Set (MD) P	acker Depth	(MD)	Size	Depth Set	(MD)	Packer De	epth (MD)		Size	Depth S	et (MD)	Packer Depth (MD)	
2 3/8	7,467					26 D 6	n	<u> </u>			-				
23. Produc	cing Intervals Formation		Тор	П	ottom	26. Perfor	rforated			Size	T .	Io. Holes	<u> </u>	Perf. Status	
A) Tapa	acito-Gall	TO AC	6,49		,000			5,810		0.42		16		Open.	
B)	action Gatti	upras.	0,43	- '	,000		705	3,010		0.42	-	10		Open	
C)															
D)															
27. Acid,	Fracture, Treatr	nent, Cem	ent Squeez	e, Etc.	·										
	Depth Interval							Amount and	Type of N	Materia	ıl		n.741 1175		
6,	785-6,810			Gal 159										OCT 12'10 JNS. DIV.	
			82,	237 Gal	FR Frac	Fluid	w/ 6	0,800# 2	20/40 (Otta	wa Sd		ull. V	OM. DIA.	
													<u>r</u>	VIST. 3	
28. Product	tion - Interval A				•										
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gra Сот. А	avity	Gas		Production	Method	· · · · ·		
Produced 8/18/10	Date 8/28/10	Tested 24	Production	n BBL	MCF	BBL	Con, A	\F1	Gravity				Flow	ring	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: 0 Ratio	Oil	Well Stat	us		- 3-1			
64/64	SI 350	608		2.1	300_	5.8	1.440			Pr	oducing	MAR	PIED	FOR FIECURD	
	ction-Interval B	1:		·	12	T	T 611 -			·····	r <u>-</u> .		107 f	6 2010	
Date First Produced	Test Date	Hours Tested	Test Production	Oil n BBL	Gas MCF	Water BBL	Oil Gra	avity LPI	Gas Gravity		Production	Method	וטע	ט עטוט	
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: 0	Dil	Well Stat	us		PARAM	KOTON	HELD-OFFICE	
Size	Flwg. SI	Press.	Hr.	BBL	MCF	NMO	CD°	:				ANY _	5	· /	

•														
28b. Product	ion - Inter	val C												
Date First Produced	Test Date		Hours Tested	Test Production	Oil BBL			Gravity	Gas Gravity	Production Method				
Choke Size				24 Hr.	Oil BBL			Gas: Oil	Well Status					
28c. Produc	ction-Inter	val D			•	•	•	•						
Date First Produced	Test Date		Hours Fested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity					
Choke Size					Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	3				
29. Disposit	tion of Gas	(Sold, u	sed for f	uel, vented, e	tc.)		·		4 · · ····					
20 Supano	om, of Dor	7on	oo (Inol	ude Aquifers)					21 Form	nation (Log) Markers	or 20 (to)			
Show al	ll important	zones o	f porosity	and contents thion used, time	hereof: Co			ll-stem tests,	31. 1011	MINITED STATES				
Forma	ation	То	p	Bottom		Descri	ptions, Co	ontents, etc.		Name	Top Meas.Depth			
Kirklar	nd	2,6	651	•	Sha	ale		······································						
Fruitla	and	2,8			Sha	ale, Sa	ndstone	e						
Pic Cli	iffs	3,0	084		Sar	ndstone	.							
Chacra		4,0	005		Si	Ltstone	è							
Mesaver	saverde 4,751 Sandstone, Shale													
Mancos	cos 5,497 Shale													
Gallup	6.490 Siltstone, Shale													
Dakota		7,3	312		Sar	ndstone	e, Shale	Э						
								•						
32. Additio	onal remar	rks (incl	ude plu	gging procedu	ıre):						····			
/				ttached by pla	_									
<u> </u>				full set req'd)	<u> </u>	〓	ogic Repo	<u></u>		ectional Survey	•			
Sund	iry Notice	for plug	gging an	d cement ver	ification [re Analysi	s Othe	r. Deviati	on Report				
							nplete and	correct as deter	mined from all av	vailable records (see atta	ched instructions)*			
Name (p	please prir	1t)	Brio	lget H	elfric	h			Title <u>Reg</u>	wlatory Tec.	h.			
Signatur	re.	J.	- Dan	dget He et bled	Drie	h			,	2-210				
Signatui		M	wy	r 74ll)	<u></u>			Date9	-0-10				

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.

(Continued on page 3)

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

	WELL	. COMP	LETION OF	RECC	MPLET	ION REF	PORT	AND LOG	3		5.	Lease Seria			
la. Type	of Well	7 Oil We	ll 💢 Gas W	ell \square	Dry	Other				 	6.			or Tribe Name	
	_		New Well		Over [Deepen		Plug Back		iff.Resvr		Jicari			
•	of Completion:	Oth	•			Весрей	<u> </u>	Tiug Back			7.	Unit or CA	Agreei	ment Name and No.	
2. Name	•										8.	Lease Nam	e and V	Vell No.	
3. Addres	<u>est Operat</u>	ing, II	<u>c </u>				13a	Phone No. (i	include i	area code)	-	Jicari		C #5N	
	Fannin St.	Ste	800					Phone No. (1	495-6	537	9.	API Well N		10	
	on of Well (Rep			in accordo	ince with I	Federal red	quireme	ents)*	1430 10	= 1.77	10	30-039 Field and P		Exploratory	
At surfa	ace 700'	FSL &	2,350' FE	L				OCT	062	2040	L	Basin			
			,					UUI	00 4	טוט	11	Sec., T., R., Survey or A	, M., or Area	Block and	
At top p	orod. interval rep	orted belo	ow					Farmingt	on Eio	ld Office		Sec 24	, 2ଘ	N, 05W	
At total	depth						Bu	ureau of La) i	.County or F Rio Arril		13. State New Mexico	
14. Date S	Spudded	15. Da	te T.D. Reach	ed		16. Da								RKB, RT, GL)*	
0=.	10 4 14 4						D & A] Ready	to Prod.	Ì				
	'24/10 Depth: MD		06/10	Dlug Rac	kT.D.; N	<u> </u>		18/10	120 1	Depth Bridge	Dliv	6,597 g Set: MI			
10. 10tai	TVD		537 19. 533	r lug Dac		'VD	1,:	532	20. 1	Jepui Bridge	. 1 IU	g sci. IVII TV			
21. Type	Electric & Othe			(Submit co	opy of eac	h)			22. W	as well cored	?	x No	\Box	Yes (Submit analysis)	
									W	as DST run		x No	☐ ¹	Yes (Submit report	
	/ GR / CCI		. 77	77)					D	rectional Sur	vey?	x No		Yes (Submit copy)	
	g and Liner Rec	ога (керо	ri ali strings s	 		Stage Cem	onton	Na af Cla	- 0-	Cl., V1					
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom	(MD)	Depth		No.of Sks Type of Ce		Slurry Vol (BBL)		Cement Top*		Amount Pulled	
12 1/4	9 5/8	36#	0	0 430 230							_	0			
8 3/4	7 L-80	23#	0	3,4	156			165				0			
				2,544 320									_		
6 1/4	4 1/2	11.6#	0	7,5	37	300						3,560			
24. Tubin	g Record		<u> </u>	.1				<u></u>							
Size	Depth Set (MT) I T)l D- d- () (D) 6	Size	Depth Set	(MD)	Packer De	nth (MD)	Size		Depth Set ((MD)	Packer Depth (MD)	
2 3/8	7,467		acker Depth (M	0)	JIZC -	Depth Set	(IVID)	Packer De	par (IVID	3120		Беріп Зегі	(IVID)	1 acker Depth (MD)	
	cing Intervals					26. Perfor	ation R	ecord							
	Formation		Тор	Bot	tom	Pe	rforated	orated Interval Size				lo. Holes		Perf. Status	
<u>A)</u>	Dakota		7,312	7,!	530	7,328-7,524				0.42		54		Open	
B)													ļ		
<u>C)</u>															
D)		-											ļ		
27. Acid,	Fracture, Treatr	nent, Cem	ient Squeeze, l	Etc.			_	1	T .C				771117	OCT 12'10	
	Depth Interval		750.0	-7 150	TICT/	' 04 D:		Amount and	Type of	Viateriai					
	,328-7,524					84 Bio		151,110	# 20/	40. Ottor		OIL CONS. DIV. a sa DIST. 3			
			1/1,0	TO Carr	S FK FI	ac FIU	La W/	131,110	# 20/	40 OLCAW	a S	<u>a</u>		<u> </u>	
			<u> </u>		•										
28. Produc	tion - Interval A		I												
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gr		Gas	Produ	ction	Method			
Produced 8/18/10	Date 8/28/10	Tested 24	Production	BBL	MCF	BBL	Corr. A	471	Gravity				Flow	ring	
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: (Well Sta	tus					
Size 64/64	Flwg. SI 350	Press. 608	Hr. →→>	BBL 1.65	MCF 549	10.6	Ratio			Produc	ina	Γ			
	ction-Interval B												PIE	DHORRECOR	
Date First Produced	Test	Hours	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gr Corr. A	avity API	Gas Gravity	Produ	iction	Method		0	
	Date	Tested	>										UCT	0 6 2010	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MGF	Water BBL	Gas: (Well Sta	itus		TACS	AV2T/	ON FIELD-OFFICE	
(Can in-t	SI	Name 1 document			WMC	JUD_	1					8 Minsiers		241 1850 O. 165	
(See instruction	ns and spaces for add	iuonai data o	n page 2)									79 1)			

A

b.Product			· · · · · · · · · · · · · · · · · · ·									
ne First oduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method			
oke e	Tbg. Pres Flwg. Sl	ss. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status				
c. Produc	ction-Interv	val D		•								
ite First oduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method			
oke ze	Tbg. Pre Flwg. SI	ss. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Status			
Dispos	ition of Gas	(Sold,used for	fuel, vented, e	tc.)	<u> </u>							
C	. CD	7	1 1 4 10 1					21 5				
Show a	all important	zones of porositerval tested, cu	y and contents t	hereof: Co				31. Forma	tion (Log) Markers			
Form	ation	Top	Bottom		Descr	rintions Co	ontents, etc.		Name	Тор		
			Bottom	_		iptions, co	ontonis, etc.		Name	Meas.Depth_		
irklaı		2,651			ale							
uitla	and	2,891		Sh	ale, S	andston	e					
.c Cl	iffs	3,084		Sa	ndstone	€			-			
nacra		4,005		Si	ltstone	9						
esave	rde	4,751		Sa	ndstone	e, Shal	e					
ncos		5,497		Sh	ale		*					
llup		6.490		Si	ltstone	e, Shal	e					
akota		7,312		Sa	ndstone	e, Shal	e					
	i											
					•							
Additi	ional remar	ks (include pla	leging proced	ure):								
1100([]	ionar romai	us (merade pro	.55.115 proced	uioj.								
 =					=							
		ems have bee		_				. [10			
		hanical Logs (for plugging a	-			logic Repo ore Analys	<u></u>	Deviation	tional Survey 1 ReDort			
I been		hot the C	na and -1: 1	die f-	tion :	1-+- : : '				activation - *		
						mpiete and			ilable records (see attached in	istructions)*		
Name (please prin	Bridge	dget He	elfrici	<u> </u>	· · · · · · · ·		Title <u>Régu</u>	latory Tech.			
Signatu	ire	Bridge	t Wels	lrick	, 		·	Date <u>9-3</u>	3-10			
		J	l							•		

(Continued on page 3)

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

	WELL	COMP	LETION OR	RECO	MPLET	ION REP	ORT	AND LOG	i		5.	Lease Serial		
la. Type	of Well	Oil Wel	l X Gas We	11 T	Dry	Other					6.			r Tribe Name
	∟ of Completion:		New Well	U Work	-	Deepen	\Box	Plug Back		iff.Resvr,.	L	Jicari.		
o. Type (л соприсион.	Oth			L.		لـــا 				7.	Unit or CA	Agreen	nent Name and No.
	of Operator										8	Lease Name	and W	/ell No.
Enerve 3. Addres	est Operati	ng, II	<u>c</u>				13a. 1	Phone No. (ii	nclude i	area code)	<u>ا</u> _	Jicari.		#5N
	Fannin St.	Ste	800					=`r <i>≟</i> 713-				API Well N		10
4. Locatio	on of Well (Repo	ort locatio	n clearly and i	n accorda	nce with .	Federal req	uireme	nts)* 🕓			\neg	30-039 Field and Po		
At surfa	.ce 700 '	FSL &	2,350' FEI								L	Blanco		, ,
			•					OCT	062	2010	11	Sec., T., R., Survey or A		Block and
At top p	rod. interval rep	orted belo	w					•	- 0 .		_	Sec 24	, 2ବ	
At total depth Farmington Field Office Bureau of Land Managemen													arish	13. State New Mexico
14. Date S	pudded	15. Dat	e T.D. Reache	d		16. Date	e Com		2010 100	<u> </u>		Rio Arrib . Elevations		RKB, RT, GL)*
							O & A	x	Ready	to Prod.				
	24/10		06/10	D. D.		<u> </u>		8/10	100 1			6,597		
18. Total	Depth: MD TVD	•	537 ^{19.} 533	Plug Bacl		ND VD	7,5	532	20. 1	Depth Brid	ge Plu	g Set: MI TV		
21. Type I	Electric & Othe	r Mechani	cal Logs Run (Submit co	py of eac	ch)			22. W	as well core	:d?	x No	7	es (Submit analysis)
									1	/as DST run	_	x No	=	Yes (Submit report
	/ GR / CCL g and Liner Rec		rt all strings sø	t in wall)	·					Pirectional S	irvey?	x No		Yes (Submit copy)
	T		1	1	0.50	Stage Ceme	enter	No.of Sks	. &	Slurry V	ol			
Hole Size	Size/Grade	Wt.(#ft.)		Top (MD) Bottom (MD) Depth Type of Cement (BBL)								Cement Top*		Amount Pulled
12 1/4	9 5/8	36#		0 430 230										
8 3/4	7 L-80	23#	0	3,4	56	0.544		165						
C 1 /4	2,544 320											0	<u> </u>	
6 1/4	4 1/2	11.6#	0	7,5	3/			300				3,560	,	. ,
				 								<u> </u>		
24. Tubin	g Record				<u>_</u>									
Size	Depth Set (MD) P	acker Depth (MI)) S	ize	Depth Set	(MD)	Packer De	pth (MD) Size		Depth Set (MD)	Packer Depth (MD)
2 3/8	7,467													
25. Produ	cing Intervals					26. Perfora	ation R	ecord						
	Formation		Тор	Bot	tom			Interval	_	Size No. Holes				Perf. Status
	anco Mesav	rerde	4,751	5,4	197	5,	5,084-5,322 0.42							0pen
B)			····					LTTURA .	+					
<u>C)</u>	 -			 										
D)	F -4 T4.		C T	<u></u>							l			
Z7. Acid,	Fracture, Treatr	пен, Сеп	ent Squeeze, E	itc.				Amount and	Type of	Material				
	,084-5,322		750 G	-1 15%	HCT. W	/ 84 Bic	-Ral		13 pc 01					
	,004 3,322							110,800#	20/4	0 Ottav	na So	i K	CVD	UCI 12'10
													IIL C	ONS. DIV.
						·····							n	ICT Q
28. Produc	tion - Interval A	1												W-W-2 & -W-
Date First Produced 8-18-1	Test Date 0 8/28/10	Hours Tested 24	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gr Corr. A		Gas Gravity	Pro	duction	n Method	Flow	rina
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: 0		Well Sta	atus				
Size 64/64	Flwg. SI 350	Press. 608	Hr. →	BBL 1.25	MCF 187	3.6	Ratio			Produc	ina	4 ·		
	ction-Interval B					,						MARKE	181)	FORFI
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gr Corr. A	nr I	Gas	Pro	duction	n Method	^~ ^	
Produced	Date	Tested	Production	BBL	MCF	BBL	3011.7		Gravity OCT 06;			<u> </u>		
Choke Síze	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	MMO	Gas: 0	Oil	Well Sta	atus		FARMIN		FIELD
(See instruction	ns and spaces for add	itional data o	n page 2)		·		<u> </u>						•	

2 · 10															
28b.Producti	ion - Inter	val C													
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method						
Choke Size	Tbg. Pre Flwg. SI	SS. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status							
28c. Product	tion-Interv	val D	•				-								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method						
Choke Size	Tbg. Pre Flwg. SI	ss. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Well Status						
29. Disposit	tion of Gas	(Sold,used for	fuel, vented, e	tc.)	1	_1	· L								
30. Summa	ary of Por	ous Zones (Inc	clude Aquifers)	 :				31. Format	tion (Log) Markers						
	ing depth in		ty and contents t						·						
Forma	ntion	Тор	Bottom		Descri	intions Co	ontents, etc.		Name	Тор					
			1						rame	Meas.Depth					
Kirklan Fruitla		2,651 2,891		- (ale ale, Sa	ndatan	•								
Pic Cli		3,084			ndstone		E								
Chacra		4,005			ltstone										
Mesaver	rde	4,751			ndstone		e								
Mancos		5,497			ale	,									
Gallup		6.490		Si	ltstone	e, Shal	e	ļ							
Dakota		7,312	-	Sar	ndstone	, Shal	е								
				ľ					1						
32. Additio	onal remar	ks (include pl	ugging proced	are):	•										
						·									
			attached by pla 1 full set req'd	_				anast Disast	tional Cumran						
E		_	and cement ver	1	=	ogic Repo re Analysi		· L	tional Survey						
		10. b19222					<u>p</u>	"Deviation	1 Keport						
		_	-			nplete and	correct as determ	nined from all avai	lable records (see attache	d instructions)*					
Name (p	olease prin	u) <u>Br</u>	idget F	lettri	ch	,	,	Title <u>Regu</u>	latory Tech.						
Signatur	re	Bridge	idget F et He	lfric	k_			Date <u>9-3</u>	1-10						
		1		V											
					·			- AMITON .	***						
							e for any person atter within its ju		llfully to make to any de	partment or agency of the United					

(Continued on page 3)

(Form 3160-4, page 2)