Form 3160-4 (August 2027) -

UPTITED STATES DEPARTM OF OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									5. Lease Serial No. Jicarilla Contract 67			
la. Type	of Well Γ		6. If Indian, Allotee or Tribe Name									
	District Dis									Jicarilla Apache		
b. Type of Completion: New Well Work Over Deepen Plug Back Diff.Resvr,. Other										7. Unit or CA Agreement Name and No.		
2. Name of Operator										8. Lease Name and Well No.		
	n Resource	s Corpo	ration_		13a	Phone No. (ii	ncluda a	rag coda)	Jicarilla 67 #21			
3. Address 3a. Phone No. (include area code)										9. API Well No.		
2010 Farmington, Farmington, NM 87401 4. Location of Well (Report location clearly and in accordance with Federal requirements)* 505-325-6800.										30-039-31022 - DOS		
At surface 2575 FNL, 701 FWL (E) SW/NW										10. Field and Pool, or Exploratory Basin Dakota		
	25/	o. EMT'	AOT. EM	L (E) SW/NW		UC 102	N11	1	1. Sec., T., R.			
At top prod. interval reported below										Survey or Area E-Sec. 19, T25N, R05W N.M.P		
					Eorm	nington Fie	id Offic	Ce 1	2. County or		13. State	
At total	depth				Rureau	of Land Mi	enager	meri.	io Arrib	-	NM	
14. Date S	Spudded	15. Dat	e T.D. Reache	:d	Bureau of Land Managemeni 16. Date Completed						RKB, RT, GL)*	
	•	1			D&A		Ready t	to Prod.		•		
5/10	/11	5/3	24/11					. 1	6623	' GL		
18. Total	Depth: MD	72:	22' 19.	Plug Back T D.:	. •	40'	20. D	epth Bridge Ph	_			
	TVD				TVD				TV	/D		
21. Type I	Electric & Othe	er Mechanic	cal Logs Run (Submit copy of e	ach)		22. Wa	s well cored?	X No	□ '	Yes (Submit analysis)	
							Wa	s DST run	X No	=	Yes (Submit report	
					on Tool Gamma	Ray	Dir	ectional Survey?	X No	<u> </u>	Yes (Submit copy)	
23. Casing	g and Liner Red	ord <i>(Repor</i>	t all strings se	t in well)					,			
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Sks. Type of Cer		Slurry Vol. (BBL)	Cement T	op*	Amount Pulled	
12.25	9.625"	32.3#	0	269'	Dopar	133 sk		(DDL)	surfa	æ	14 bbls - cir	
7.875	4.50"	11.6#		7201'	5950, 4895	1730 si			surfa		130 bbls - cir	
- 013	4.50	11.0		/201	- 130, 1013	1730 8	~5		Burra		130 IMS - CL	
				+		<u> </u>	+		 			
			_	<u> </u>								
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								······				
24. Tubing	g Record											
Size	g Record Depth Set	(MD) Pa	acker Depth (MI	O) Size	Depth Set (MD)	Packer Dep	th (MD)	Size	Depth Set	(MD)	Packer Depth (MD)	
Size 2.375	Depth Set (acker Depth (MI	Size		<u> </u>	th (MD)	Size	Depth Set	(MD)	Packer Depth (MD)	
Size 2.375	Depth Set		acker Depth (MI	O) Size	26. Perforation R	ecord			Depth Set	(MD)		
Size 2.375	Depth Set (acker Depth (MI	Size Bottom		ecord			Depth Set	(MD)	Packer Depth (MD) Perf. Status	
Size 2.375 25. Produc	Depth Set of not you cing Intervals	et			26. Perforation R	ecord Interval				(MD)		
Size 2.375 25. Produc	Depth Set of not your cing Intervals Formation	et	Тор	Bottom	26. Perforation R Perforated	ecord Interval		Size	No. Holes	(MD)	Perf. Status	
Size 2.375 25. Product	Depth Set of not your cing Intervals Formation	et	Тор	Bottom	26. Perforation R Perforated 7106'-7	ecord Interval 7110'		Size 1	No. Holes	(MD)	Perf. Status 1 spf	
Size 2.375 25. Product A) B)	Depth Set of not your cing Intervals Formation	et	Тор	Bottom	26. Perforation R Perforated 7106'-7	ecord Interval 7110 ' 7070 '		Size 1	No. Holes 4 42	(MD)	Perf. Status 1 spof 3 spof	
Size 2.375 25. Product A) B) C)	Depth Set of not your cing Intervals Formation	ota	Top 6899'	Bottom 7161'	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6	ecord Interval 7110 ' 7070 '		Size 1	No. Holes 4 42		Perf. Status 1 spof 3 spof 3 spof	
Size 2.375 25. Product A) B) C)	Depth Set of not year cing Intervals Formation Basin Dake	ota	Top 6899'	Bottom 7161'	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6	ecord Interval 7110 ' 7070 '		Size 1 38" 49" 39"	No. Holes 4 42		Perf. Status 1 spoff 3 spoff 3 spoff	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1	Depth Set of not year cing Intervals Formation Basin Dake Fracture, Treat	ota	Top 6899' ent Squeeze, E	Bottom 7161'	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6	ecord Interval 7110' 7070' 5954-56		Size 1 38" 49" 39"	No. Holes 4 42		Perf. Status 1 spoff 3 spoff 3 spoff	
Size 2.375 25. Product A) B) C) 27. Acid, 1	Depth Set of not your cing Intervals Formation Basin Dake Fracture, Treat Depth Interval	ota ment, Cem	Top 6899' ent Squeeze, E	Bottom 7161' ttc.	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6	ecord Interval 7110' 7070' 5954-56 -94' Amount and T	ype of Ma	Size 38" 49" 39" aterial	No. Holes 4 42 72	/30 ¹ /20 ¹	Perf. Status 1 spoff 3 spoff 3 spof	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1	Depth Set of not year cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070'	ota ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038	Bottom 7161' ttc. 1. 15% HCL gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'-	ecord Interval 7110' 7070' 5954-56 -94' Amount and T		Size 38" 49" 39" aterial	No. Holes 4 42 72		Perf. Status 1 spf 3 spf 3 spf 3 spf	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1	Depth Set of not your cing Intervals Formation Basin Dake Fracture, Treat Depth Interval	ota ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038	Bottom 7161' ttc. 1. 15% HCL gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6	ecord Interval 7110' 7070' 5954-56 -94' Amount and T		Size 38" 49" 39" aterial	No. Holes 4 42 72	(0) L	Perf. Status 1 spff 3 spff 3 spff WECENVED	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1	Depth Set of not year cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994'	ota ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038	Bottom 7161' ttc. 1. 15% HCL gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'-	ecord Interval 7110' 7070' 5954-56 -94' Amount and T		Size 38" 49" 39" aterial	No. Holes 4 42 72	(0) L	Perf. Status 1 spff 3 spff 3 spff WECENVED	
Size 2.375 25. Product A) B) C) 27. Acid, 1 70 69	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994' tion - Interval	ota ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038 54,137	Bottom 7161' tc. 1. 15% HCL gallons x/ gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'-	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68	Type of Market B , 646#	Size 38" 49" 39" aterial 20/40 sar	No. Holes 4 42 72	(0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Perf. Status 1 spoff 3 spoff 3 spoff PECEIVED CONS. DIV. D	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1	Depth Set of not year cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994'	ota ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038 54,137	Bottom 7161' ttc. 1. 15% HCL gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'-	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s		Size 38" 49" 39" aterial	No. Holes 4 42 72	(0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Perf. Status 1 spoff 3 spoff 3 spoff PECEIVED CONS. DIV. D	
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Size 2.375 25. Product A) B) C) D) 27. Acid, 1 70 69 28. Product Date First	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 056'-7070' 038'-6994' Tion - Interval Test Date Tbg. Press. Flwg	ment, Cem	Top 6899' ent Squeeze, E 500 ga 13,038 54,137	Bottom 7161' tc. 1. 15% HCL gallons x/ gallons x/	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'-	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s	ype of Market Sand	Size 38" 49" 39" aterial 20/40 sar	No. Holes 4 42 72	(0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Perf. Status 1 spoff 3 spoff 3 spoff WECEIVED WOWS. DIV DIST. 3	
Size 2.375 25. Product A) B) C) D) 27. Acid, 1 70 68 28. Product Date First Produced Choke	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 056'-7070' 938'-6994' tion - Interval A Test Date Tbg. Press.	ment, Ceme	Top 6899' ent Squeeze, E 500 ga 13,038 54,137 Test Production 24	Bottom 7161' ttc. 1. 15% HCL gallons x/ gallons x/ Gas BBL Oil Gas Oil Gas	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'- Link in a 700 Link, 103,430 Water BBL Oil Gray BBL	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s	ype of Market Stand	Size 38" 49" 39" aterial 20/40 sar	No. Holes 4 42 72 nd / mMethod	(0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Perf. Status 1 spoff 3 spoff 3 spoff WECEIVED WOWS. DIV DIST. 3	
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Size 2.375 25. Product A) B) C) 27. Acid, 1 70 69 28. Product Date First Produced Choke Size 28a. Product Date First	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994' Test Date The Press Flwg SI Ction-Interval Extended to the control of	ment, Cemerate Tested Cag. Press.	Top 6899' ent Squeeze, E 500 ga 13,038 54,137 Test Production 24 Hr. Test	Bottom 7161' ttc. 1. 15% HCL gallons x/ gallons x/ Gas BBL Gas BBL MCF Oil Gas BBL Oil Gas CF Oil Gas CF Oil Gas CF Oil Gas CF	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'- Link in a 700 Link, 103,430 Water BBL Water BBL Gard Ratio	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s	gand Gas Gravity Well Statu	Size 38" 49" 39" aterial 20/40 sar Productio	No. Holes 4 42 72 nd Figure 1 No. Holes AUG 1 n Method	6 20	Perf. Status 1 spf 3 spf 3 spf 3 spf CONS. DIV DIST. 3 CONS. DIV DIST. DIV DI	
Size 2.375 25. Product A) B) C) 27. Acid, 1 70 69 28. Product Date First Produced Choke Size 28a. Product Date First Produced	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994' Test Date	ment, Cemerate A Hours Tested Csg. Press. Hours Tested	Top 6899' ent Squeeze, E 500 ga 13,038 54,137 Test Production 24 Hr. Production	Bottom 7161' tc. 1. 15% HCL gallons x/ gallons x/ Oil Gas BBL Gas MCF Oil Gas BBL MCF	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'- Link in a 700 Link, 103,430 Water BBL Water BBL Gas: G Ratio	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s	Type of Market State Sta	Size 38" 49" 39" aterial 20/40 sar Productio FARN	No. Holes 4 42 72 nd Figure 1 MINGTON	6 20	Perf. Status 1 spf 3 spf 3 spf 3 spf CONS. DIV DIST. 3 CONS. DIV DIST. DIV DI	
Size 2.375 25. Product A) B) C) 27. Acid, 1 70 69 28. Product Date First Produced Choke Size 28a. Product Date First	Depth Set of not yet cing Intervals Formation Basin Dake Fracture, Treat Depth Interval 106'-7110' 1056'-7070' 1038'-6994' Test Date The Press Flwg SI Ction-Interval Extended to the control of	ment, Cemerate Tested Cag. Press.	Top 6899' ent Squeeze, E 500 ga 13,038 54,137 Test Production 24 Hr. Test Production	Bottom 7161' ttc. 1. 15% HCL gallons x/ gallons x/ Gas BBL Gas BBL MCF Oil Gas BBL Oil Gas CF Oil Gas CF Oil Gas CF Oil Gas CF	26. Perforation R Perforated 7106'-7 7056'-7 6938-44,6 6978'- Link in a 700 Link, 103,430 Water BBL Water BBL Gard Ratio	ecord Interval 7110' 7070' 5954-56 -94' Amount and T foam, 68 # 20/40 s	gand Gas Gravity Well Statu	Size 38" 49" 39" aterial 20/40 sar Productio FARN	No. Holes 4 42 72 nd Figure 1 No. Holes AUG 1 n Method	6 20	Perf. Status 1 spf 3 spf 3 spf 3 spf CONS. DIV DIST. 3	

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28b Production	cn Inter	val C			<u> </u>						
Date First Produced	Test Date		ours ested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Pres Flwg. SI		sg. ress.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
28c. Product	ion-Interv	val D		<u> </u>		4		1			
Date First Test Hours Produced Date Tested		Test Production	Oil BBL	Gas MCF	Water Oil BBL Gravity Corr. API		Gas Production Method Gravity				
Choke Size			sg. ress.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
29. Dispositi		(Sold, use	ed for f	uel, vented, et	L c.)		to be	sold	<u> </u>		
30. Summar	ry of Porc	us Zone	s (Incl	ude Aquifers):					31. Formati	on (Log) Markers	
Show all	important depth inte	zones of	porosity	and contents the						(8)	
		_									Тор
Format	ion	Top Bott		Bottom		Descri	ptions, Co	ntents, etc.		Name	Meas.Depth
				=				· · · · · · · · · · · · · · · · · · ·	San Jose		surface
									Nacimien	to	1081 TVD
			Ì						Ojo Alam	o Ss	2067
									Kirtland	l Sh	2189
									Fruitlan	d Fin	2358
									Pictured		2633
			1		-				Lewis	CILLIS	2922
									1	to Bentonite	3014
			i						Cliff Ho		4208
									Menefee		4236
			Ī		İ				Point Lo	okout	4815
]				Mancos		5217
									Gallup		5876
					1				Greenhor	n.	6766
								Graneros		6812	
				ging procedur		00		D G	7004		
101	PS CUNI		ikota ibero	(Paguate) 68 69			Buro Canyon Morrison	7094 7162		
			ak Cau		69				7102		
		En	cina	l Canyon	70	54					
33. Indicate	which ite	ms have	bee att	ached by plac	ng a chec	k in the ap	propriate	boxes:			
Electri	ical/Mech	anical L	ogs (1 1	full set req'd)		Geolog	gic Report	DST Report	Direction	onal Survey	
Sundr	y Notice f	for plugg	ging and	d cement verifi	cation [Core A	Analysis	Other:			
34. I hereby	certify th	at the fo	regoing	g and attached	informat	ion is comp	lete and c	orrect as determined	from all availab	le records (see attached ins	structions)*
										•	,
Name (ple	ease print I	<u>An</u>	na St	<u>otts</u>	·			Title	Regulato	ory Analyst	
	j	1	<	\preceq	ſ						
Signature		m	<u>u (</u>	2tot	5			Date	8/11/11		
	•	~									
itle 18 U.S.C	C. Section	n 1001 a	and Titl	le 43 U.S.C. S	ection 12	212, make	it a crime	for any person know	vingly and willf	ully to make to any depar	tment or agency of the Unit

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