Form 3160-4 (June 2015)

## UNITED STATES

FORM APPROVED

v		DEP BUR	OMB No. 1004-0137 UG 3 2013 Expires: July 31, 2018												
	WE	PLET	5. Lease Serial No.  NMSF-078518-A land Management												
1a. Type of W	rell	Oil Well	2	Gas Well		Dry	Oth	er			6. If I	Indian, Allottee			u vi caru viariagen (
b. Type of Co	ompletion:	New Well		Work Ov	er	Deepen	Plu	g Back	Diff.	Resvr.,					
											7. Ur	nit or CA Agree			
		Other:		REC	COMPL	ETE - An	iended						Huerfan	o Un	1it
2. Name of Op	perator		1121		0						8. Le	ase Name and W			4.407
3. Address			HIICO	rp Energ	gy Con		No (include	le area code)			0 45	OI Wall No	Huerfano	Uni	t 137
	382 Road 310	0. Aztec.	NM 8	37410		Ja. Thoric		599-340			9. API Well No. 30-045-13030				
	Well (Report loca				with Fede	eral requires					10. F	ield and Pool or	Exploratory		
10 ml 1000		)		0.40001									no Picture	d Cli	iffs
At surface	Unit J (NWS	5E), 1657	FSL	11. S	Sec., T., R., M., o										
					Survey or Are	а Sec. 31, Т	726N	I. R09W							
At top prod	l. Interval reported		12. (	County or Parish			13. State								
At total dep		1	D . =		same a	s above		,		10.01.0			an Juan		New Mexico
14. Date Spud	ded 0/25/1962	15. 1		D. Reached 11/5/196	2		te Complete			/2018	17. E	Elevations (DF, I	RKB, RT, GL)* <b>6643'</b>		
				1 100 100 100 10 100			D&A	X Read			D.: 1	Di C ·	CALLED ST. OR.	GL	
18. Total Dept	tn:	67	770'	19. Ph	ıg Back T	L.D.:		6720'	1	20. Depth	Bridge	rlug Set:	MD TVD		
21 Type Fleo	ctric & Other Mecl	hanical Logs	Run (S	Submit copy	of each)					22. Was v	vell co	red?	X No		'es (Submit analysis)
_i. Typo Dicc	would will	Logo		3L 6/28/1							DST r		X No	=	'es (Submit report)
			OL.	L UILUI I	5								X No	=	'es (Submit report)
22 Cosing one	d Liner Record (Re	anort all strip	non not i	n 11011)						Direc	ctionai	Survey?	X No	Y	es (Submit copy)
		T				Ne sore	Stage	Cementer	N	o. of Sks. &	, T	Slurry Vol.			
Hole Size	Hole Size Size/Grade Wt. (#/ft.) Top (MD) Botton							Depth Type of Ceme				(BBL) Cement top* Amount			Amount Pulled
12-1/4"						327'	n/a	232 sx						None	
6-3/4"	5 1/2" J-55	15.5	5	0		6770'		n/a	400 sx						None
		-			_						-				
		-					_								
24. Tubing Re															
Size	Depth Set (M	D) Pa	acker De	epth (MD)	S	Size	Depth Set (	MD) P	acker I	Depth (MD	)	Size	Depth Set (N	VD)	Packer Depth (MD)
2 3/8" 25. Producing 1	2092'					2/	6. Perforat	tion Pacord							
23. Froducing	Formation			Top	Во	ottom		Perforated Int	erval			Size	No. Holes		Perf. Status
A)	Pictured CI	iffs		2054'	2126' 2 SPF							.42"	86		open
B)															
C)	TOTAL												07		
D) 27 Acid Frac	TOTAL ture, Treatment, C	ement Sauce	eze etc										86		
ZI. ACIU, FIAC	Depth Interval	oment sque	220, 010.					Aı	nount	and Type o	f Mate	erial	***************************************		
	2054'-2126'			Aci	dized w/5	500 GAL 1	5% HCL, fr					95,200 Gal 70	Q water gel #	20 / .	85M SCF N2
	-														
	-		_	***************************************											
28. Production	ı - Interval A														
Date First	Test Date	Hours	Test		Dil	Gas	Water	Oil Gravity		Gas		Production Me	ethod	0	
Produced		Tested	Produc	1	BL	MCF	BBL	Corr. API		Gravity		Production Me	M Wflo	wing	g
0/0/00/10		1	8-10-			And April 1									
8/9/2018	8/8/2018	Cas D	24 11		0	384	0 bwph	n/a		n/			SEP 17	201	l d
Choke Size	Tbg. Press. SI	Csg. Press Flowing	24 Hr. Rate		oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Sta	tus		Ohnt OI		
SIZC	51	Tiowing	Nate		עניי	IVICI	عاددا	Kado				n I	STRICT		11
1/2"	403	403	414.5		0	0.53	0	n/a			800		Flowing		)DD
28a. Productio											400	FLIED	TUK KE	:66	עאנ
Date First	Test Date	Hours	Test		Dil	Gas	Water	Oil Gravity		Gas		Production Me			
Produced		Tested	Produc	tion E	BL	MCF	BBL	Corr. API		Gravity		SEP	0 6 2018		
			77.0										2010		
Choke	Tbg. Press.	Csg.	24 Hr.	(	)il	Gas	Water	Gas/Oil		Well Sta	tusa	BAILLOTOL	LEIEL D. O	The least	CE
Size	Flwg.	Press.	Rate		BL	MCF	BBL	Ratio		l	FAL	MINGTON	FIELDO	FFI	E
	SI										Ву:	Willian	n lan	nne	KOH

28b. Production		Trr	T <sub>m</sub>	To:	Gas	Water	Total of the	To	In 1 M. 1 . 1			
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Production (1970) (1970)		Oil Gravity Corr. API	Gas Gravity	Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Well Status			
28c. Production								Gas				
Date First Produced			Test Production	Oil BBL	Gas MCF	Water BBL			Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	1 Status			
29. Disposition of Gas (Solid, used for fuel, vented, etc.)  sold												
30. Summary of	f Porous Zones (In	clude Aqui	fers):					31. Formatio	on (Log) Markers	**************************************		
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.												
Formation	Formation Top			Descriptions, Contents, etc.					Name	Top Meas. Depth		
-	Ojo Alamo 1164' Kirltand 1322'			0		White, cr-gr ss dded w/tight, g			Ojo Alamo Kirtland	1164' 1322'		
Fruitland 1633'			2052'	Dk gry-gry c	earb sh, coal, g	grn silts, light-	med gry, tight, fine gr ss.		Fruitland	1633'		
Pictured Cla			2160' 2925'			y, fine grn, tig			Pictured Cliffs	2052' 2160'		
Lewis 2160' 2925 Huerfanito Bentonite 2440'					Shale	w/ siltstone sti	ingers		Lewis	2440'		
Chacra Mesa Verd	Chacra 2925' Mesa Verde 3635'					uconitic sd sto d-fine gr ss, ca	ne w/ drk gry shale arb sh & coal		Chacra Mesaverde	2925' 3635'		
Menefee 3678'			4470'	1	Med-dark gry	, fine gr ss, ca	arb sh & coal		Menefee	3678'		
		.	1070	Med-light gry	, very fine gr		sh breaks in lower part of	f				
Point Look Mancos	out 4470	- 1	4856' 5510'		Da	formation ark gry carb sh	1.		Point Lookout Mancos	4470' 4856'		
				Lt. gry to bri			& very fine gry gry ss w/					
Gallup Greenhor		5510' 6426' 6484'				eg. interbed shalc gry sh w/ th			Gallup Greenhorn	5510' 6426'		
Graneros			1	]		fossil & carb v			Graneros	6484'		
Dakota				Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks				5	Dakota	,		
32. Additional r	remarks (include pl	ugging pro	cedure):									
This well is now producing as a single PC well for testing. The DK CIBP will be drilled out at a later date & commingled w/PC.												
33. Indicate which items have been attached by placing a check in the appropriate boxes:												
☐ Electrical/Mechanical Logs (1 full set req'd.)       ☐ Geologic Report       ☐ DST Report       ☐ Directional Survey         ☐ Sundry Notice for plugging and cement verification       ☐ Core Analysis       ☐ Other:												
34. 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)		Chery	lene Wes	ston		Title	Operati	ons/Regulatory Techni	ician-Sr.		
Signatu	01	Mu	flere	Woo	Hon		Date	8-31	-18			
Title 19 IT S.C. Section 1001 and Title 42 IT S.C. Section 1212 make it a gripp for any page of provingly and willfully to make to any department or convey of the United States any												

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.

Form 3160-4 (June 2015)

## UNITED STATES

FORM APPROVED

													OMB No. 10 Expires: July				
	WE	LL COM	IPLETIO	N OR RE	COMPLE	ETION	REPO	RT AND	) LO	G	5. Lea	ase Serial No.	NMSF-07	0540	) A		
1a. Type of W		Oil Well		Gas Well	Dry	I	Other		1 p.:cc	D	6. If I	ndian, Allottee			D-A		
b. Type of C	completion:	New Wel	ı L	Work Over	Deep	en	Plug	Васк	] Diff.	Resvr.,	7. Ur	nit or CA Agree	ement Name a	and No	0.		
		Other:		R	ECOMPL	ETE					Huerfano Unit						
2. Name of O	perator	****									8. Lea	ase Name and W					
3. Address			Hilcorp	Energy	Company		(in alanda	area code,	1		Huerfano Unit 137  9. API Well No.						
	382 Road 310	00, Aztec,	NM 874	110	3a. P.	none No.	A	599-340			9. AP	I Well No.	30-045-13	3030			
4. Location of	Well (Report loca	and in acco	10. Field and Pool or Exploratory														
At surface Unit J (NWSE), 1657' FSL & 1600' FEL  Huerfano Pictured Cliffs  11. Sec., T., R., M., on Block and														IIIS			
Survey or Ar																	
At top prod	d. Interval reported	l helow			Sam	ne as a	above				Sec. 31, T26N, R09W  12. County or Parish 13. State						
rit top proc	i. intervar reported	. 0010 **									12. 0	ounty of Larish					
At total dep		15	Date T.D. R		ne as abo		ompleted	,	0/0	3/2018	17 E	Salevations (DF, F	an Juan		New Mexico		
	0/25/1962	15.		5/1962	10.		& A	X Read	dy to P	rod.			6643'				
18. Total Dep	th:	67	770'	19. Plug B	ack T.D.:			6722'		20. Depth	Bridge	Plug Set:	MD TVD	is			
21. Type Elec	ctric & Other Mec	hanical Logs		1.7	each)					22. Was v	well con	red?	X No	Y	es (Submit analysis)		
			CBL	6/28/18							s DST run? X No Yes (Submit report)						
22 Cooing on	d Liner Record (Re	amout all atui	man not in a	aII)						Dire	ctional	Survey?	X No	Y	es (Submit copy)		
	T	Î			D (	, m)	Stage C	Cementer	N	o. of Sks. &	ζ .	Slurry Vol.		4	A		
Hole Size	Size/Grade	,	(#/ft.) Top (MD) Bottom (MD) Depth Type of Cerr								nt	(BBL)	Cement to	p*	Amount Pulled		
12-1/4" 6-3/4"	9 5/8" H-80 5 1/2" J-55			0	327 6770			ı/a ı/a		232 sx 400 sx	-				None None		
	0	10.1								100 51							
											_						
		-				-		-			_						
24. Tubing Re																	
Size 2 3/8"	Depth Set (M 2092'	(D) P:	acker Depth	(MD)	Size	Dept	th Set (M	(D) P	acker	Depth (MD)	)	Size	Depth Set (N	AD)	Packer Depth (MD)		
25. Producing						26. I		on Record									
A)	Formation Pictured CI	iffe		Top )54'	Bottom <b>2126'</b>		Perforated Interval 2 SPF			Size No. Hole .42" 86				Perf. Status  open			
B)	Tictured of	1113		754	2120			2 01 1				.72	00		орен		
C)	TOTAL												0/				
D) 27 Acid Frac	TOTAL ture, Treatment, C	ement Sque	eze etc							-			86				
	Depth Interval							A	mount	and Type o	f Mate	rial					
	2054'-2126'			Acidize	d w/500 GA	L 15% F	HCL, frac	c'd w/ 152	,000#	20/40 AZ	sand /	95,200 Gal 70	Q water gel #	20 / .8	B5M SCF N2		
00 D 1 ::	Y . 14																
28. Production Date First	Test Date	Hours	Test	Oil	Gas	Wa	iter (	Oil Gravity		Gas		Production Me	ethod				
Produced		Tested	Production	- 1	MCF	BBI		Corr. API		Gravity				wing	3		
8/9/2018	8/8/2018	1	A645 / (3b)	<b>&gt;</b>   (	38	4 0	bwph	n/a		n/	a						
Choke	Tbg. Press.	Csg. Press	24 Hr.	Oil	Gas	Wa	1	Gas/Oil		Well Sta							
Size	SI	Flowing	Rate	BBL	MCF	BBI	L F	Ratio									
1/2"	403	403			0.5	3	0	n/a					Flowing				
28a. Productio		Tee	I=			T						. Atten					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Wat	- 1	Oil Gravity Corr. API		Gas Gravity		Production Me	thod	-			
			20000		1							Alig 2 a	2040				
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Wat	ter	Gas/Oil		Well Sta	tus	2 9	2018				
Size	Flwg.	Press.	Rate	BBL	MCF	BBI		Ratio			DI	STRICT					

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

28b. Production		Trr	IT.	Io:	Ic	TXX-4	1010 4	To	D. J. G. Mattel		
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. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	atus		
28c. Production	n - Interval D Test Date	Hours	T <sub>m</sub>	Tan	To	Terr	Tons	To			
Date First Produced			Test Production	Oil Gas BBL MC		Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
29. Disposition	of Gas (Solid, used	d for fuel,	vented, etc.)			so	old				
30. Summary o	f Porous Zones (Inc	clude Aqui	fers):					31. Formatio	n (Log) Markers		
Show all imp	ortant zones of por oth interval tested, o	osity and c	contents thereof:				t,				
Formatio	n Top	)	Bottom		Descript	tions, Conter	nts, etc.		Name	Top Meas. Depth	
Ojo Alam Kirltand			1322' 1633'	(		White, cr-gr ss dded w/tight, g			Ojo Alamo Kirtland	1164' 1322'	
Fruitland 1633'			2052'	Dk gry-gry			med gry, tight, fine gr ss.		Fruitland	1633'	
Pictured Cl Lewis	iffs 2052 2160	* I	2160' 2925'			y, fine grn, tig w/ siltstone sti			Pictured Cliffs Lewis	2052' 2160'	
Huerfanito Bentonite 2440'					Silaic	w sitstone sti	ingers		Lewis	2440'	
Chacra			3635'				ne w/ drk gry shale		Chacra	2925'	
	Mesa Verde 3635'		3678' 4470'		0 0,,	d-fine gr ss, ca			Mesaverde Menefee	3635' 3678'	
Menefee 3678'			4470	1			sh breaks in lower part o	f	Meneree	30/8	
Point Look Mancos			4856' 5510'		D	formation ark gry carb sh			Point Lookout Mancos	4470' 4856'	
Wances	4030			Lt. gry to br			& very fine gry gry ss w/		mancos		
Gallup Greenhor	5510 m 6426	- 1	6426' 6484'			eg. interbed sh alc gry sh w/ th			Gallup Greenhorn	5510' 6426'	
Graneros			1		Dk gry shale,	fossil & carb v	w/ pyrite incl.		Graneros	6484'	
Dakota				Lt to dark gry foss carb sl calc sl sitty s cly Y shale bro			5.5	S	Dakota	,	
32. Additional r	remarks (include pl	ugging pro	cedure):	l							
This we	ell is now pro	ducing	as a single	PC well	for testi	ng. The	DK CIBP will b	e drilled o	ut at a later date & con	nmingled w/PC.	
33. Indicate wh	ich items have beer	n attached l	by placing a chec	ck in the appr	ropriate box	es:					
Electrical	/Mechanical Logs (	1 full set re	eq'd.)		Geol	ogic Report	DS	Γ Report	Directional Surve	ey	
Sundry N	otice for plugging a	and cement	verification		Core	Analysis	Oth	er:			
34. I hereby cer	tify that the forego	ing and atta	ached information	n is complete	and correct	t as determin	ed from all available	records (see att	ached instructions)*		
Name (	(please print)		Chery	lene Wes	ston		Title	Operati	ons/Regulatory Techni	cian-Sr.	
Signatu	Signature William Date 8-28-18										
Title 18 U.S.C.	Section 1001 and T	itle 43 U.S	C Section 1212	make it a c	rime for any	nerson kno	wingly and willfully to	make to any d	lepartment or agency of the Unite	d States any	

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, page 2)