Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR

OIL CONS. DIV DIST. 3

IIII 0 \$ 2014

FORM APPROVED OMB No. 1004-0137

			BUREA	U OF	LAND	MANAC	EMENT		•	INT A .	, C. W.		Expi	res: July	y 31, 2010
	WELL	COMP	LETION (	OR R	ECOM	PLETI	ON REF	PORT	AND L	.OG			ease Serial IMNM9970		
1a. Type o	of Well 🛭	Oil Wel	l 🔲 Gas	Well	☐ Dr	у 🔲 (	Other					6. If	Indian, All	ottee o	or Tribe Name
b. Type o	of Completion	n 🔲 t Oth	New Well er	⊠ W	ork Over	_ <b>D</b> D	eepen	☐ Plug	Back	Diff. R	lesvr.	7. U	nit or CA A	greem	nent Name and No.
2. Name o			E	E-Mail:	(bbutler	Contact: B @highpla	UTCH BU	JTLER n			•		ease Name EAGLE SP		ell No. S 8 FEDERAL 2M
3. Address							3a. P			area code	)		PI Well No		30-043-20950
4. Locatio	n of Well (Re	port locat	tion clearly a	nd in ac	cordanc	e with Fed	leral requi	rements	)*						Exploratory ENTRADA SE
	ace NWNI											11. \$	Sec., T., R.,	M., or	Block and Survey
At tota	prod interval		oelow NW FNL 2275F\							1021 W Lo	n	12. (	County or P	arish	13. State NM
14., Date S 02/05/	Spudded	VIVE 3301	15. E		. Reache	<del></del>	1	6. Date □ D &	Complete A 🔯	ed Ready to P	rod.		Elevations (		B, RT, GL)*
18. Total I	Depth:	MD TVD	 5715 5715		19. Pl	lug Back T	T.D.:	MD TVD	0/2014 57 57		20. De	th Bri	dge Plug Se		MD
	Electric & Otl	her Mecha	anical Logs F	lun (Su				170	31	22. Was		d?	<b>⊠</b> No	☐ Yes	TVD s (Submit analysis)
	Y COMPEN					-DENSII	Υ				DST run? tional Su	rvey?			s (Submit analysis) s (Submit analysis)
23. Casing a	Illu Ellier Rec	oiu (Kepi	ort all siring.			Bottom	Stage Co	ementer	No o	f Sks. &	Slurry	Vol	1		
Hole Size	Hole Size Size/Grade		Wt. (#/ft.)	#/ft.) Top (MD)		(MD)	Dep			of Cement	, ,		Cement '	Гор*	Amount Pulled
12.250 9.625 J-55 8.750 7.000 J-55		1			350 3850	1	3215			250 355			0 1400		
6.250	<del>-}</del>	500 J-55		10.5 3080		<del>                                     </del>		32 13	360					3080	<del> </del>
				<b>.</b>			-				<b> </b>				
24. Tubing	z Record		<u> </u>				L								
Size	Depth Set (N	MD) P	acker Depth	(MD)	Size	Dep	th Set (MI	) P	acker Dep	oth (MD)	Size	De	pth Set (M	D)	Packer Depth (MD)
2.875		3000			2.3			507		5575	2.37	5	5	607	5588
	ing Intervals		Υ		D - 44 -	<del></del>	. Perforati		<del> </del>	<del></del>	Q:	Τ,			De & Status
A)	ormation ENTRAD	A OII	1 op	Top 5555		Bottom 5575		Perforated Interval			Size		No. Holes		Perf. Status
B) ENTRADA WATER			5583		5588										
C)													•		
D)	racture, Trea	tment Ce	ment Saucez	e Etc										L	
27.71014,1	Depth Interv		Their Squeez					Aı	nount and	Type of M	laterial				
····		-											·		
	<u></u>						-								
28. Product	tion - Interval	IΛ	<del></del>												
Date First Produced			Test Production	Oil Ga BBL MO			Water BBL	Oil Gravity Corr. API		Gas Gravity	,	Producti	on Method		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Ga MC			Gas:O Ratio			atus	us			
28a. Produc	ction - Interv	al B		<u> </u>				1							· A FECTO
Date First Test Hours			Test	Oil	Ga				avity	Gas	Gas Gravity		CERTED	FOR	RECORD
Produced	oduced Date		Production BBL		, MCF		BBL	Corr. /	r'i	Gravity			n ii	n 4	2014
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Ga MC		Water BBL	Gas:O Ratio	il	Well S	FARMINGTON FIELD OF		D OFFICE		
	SI	i		1	ŀ	1		1		ı		F	AKMINU	۲۲) ۱۱۰	(TS)

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #251042 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

28. Production - Interval C Pendance   Second   Second   Second   Production   Color   Second   Color   Second   Color   Second   Color   Colo	201 D	I Can Intern	-1.0	·		••								
Descriptions   Top   Posts   Case   141 lb   Ost   Art   Case   Art   Case				Test	Ioa	Con	I Water	Oil Consider			Decidencies Marshad			
Size   Prof.											Production Method			
Decided   Dec   Product   Decided		Flwg.							W	ell Status				
Dec   Total	28c. Prod	luction - Interv	al D	<u>.</u>	L	٠	1							
Prince   P														
UNKNOWN  So. Summary of Porous Zones (Include Aquifers):  Slow all important zones of porosity and contents thereof; Cored intervals and all drill-stem less including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoverties.  Formation  Top  Bottom  Descriptions, Contents, etc.  Name  Top  Meas. Depth  Meas. Depth  ENTRADA  \$5555  \$575  \$584  ENTRADA TRANDA TRANSITION  ENTRADA  ENTRADA  \$5575  \$584  ENTRADA WET  TODILTO  S550  ENTRADA WET  TODILTO  S550  ENTRADA WET  TODILTO  ENTRADA  ENTRADA  STORE HIT ADA  STORE  ENTRADA WET  STORE  ENTRADA WET  TODILTO  ENTRADA  STORE  ENTRADA WET  TODILTO  ENTRADA  STORE  ENTRADA WET  TODILTO  ENTRADA  S555  STORE  ENTRADA  ST		Flwg.							W	ell Status				
Show all important zones of porceity and contents thereof. Cared intervals and all dail-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoverties.  Formation Top Bottom Descriptions, Contents, etc. Name Top.  Mess. Dept ENTRADA 5555 5575 5954 ENTRADA TRANSITION TOULTO 5530 ENTRADA 5555 575 5944 ENTRADA TRANSITION ENTRADA TRANSITION ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRADA 5555 ENTRADA WET ENTRADA TRANSITION ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRADA 5555 ENTRADA WET ENTRADA TRANSITION ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRADA 5555 ENTRADA 5555 ENTRADA 5555 ENTRADA WET ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRADA 5555 ENTRADA WET ENTRADA 5555 ENTRADA TRANSITION ENTRADA 5555 ENTRAD			Sold, usea	for fuel, vent	ed, etc.)		1							
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. Dept Meas. Dept ENTRADA 55575 5555 55575 ENTRADA OIL ENTRADA 55575 5584 ENTRADA TRANSITION ENTRADA 5558 ENTRADA 5558 ENTRADA 5558 ENTRADA WET STORM ENTRADA 5559 ENTRADA 5559 ENTRADA WET STORM ENTRADA TRANSITION ENTRADA 5559 ENTRADA WET STORM	30. Sumn	nary of Porous	Zones (Ir	nclude Aquife	rs):			<del></del>	mation (Log) Ma	nation (Log) Markers				
Portifiation 10p Botton Descriptions, Contents, etc. Name Meas. Dept Meas. Dept ENTRADA S555 5575 5584 ENTRADA WET ENTRADA	tests,	including dept	zones of p h interval	orosity and co tested, cushic	ontents there on used, time	eof: Cored in e tool open,	ntervals an flowing ar	d all drill-stem ad shut-in pressures						
ENTRADA 5555 5575 5584 5715 ENTRADA OIL ENTRADA 5555 5584 5715 ENTRADA AUL  32. Additional remarks (include plugging procedure): A Sundry Notice was filed when this weel was deepened further into the Entrada in February of 2013. Since this completion was executed in January of 2014, the well has been shut-in waiting on disposal capacity. There has been no production testing of this well to date. HPOC is planning stimulation of its Eagle Springs 9 Federal #1 well, which is our water disposal well in this pool. Once injection capacity is achieved, HPOC will report production tests will sundry Notice.  33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set reqid.) 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:  84. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #1251042 Verified by the BLM Well Information System. For HPOC, LLC, service to the Rio Puerro 07/01/2014 ()  Name (please print) BUTCH BUTLER  Title MANAGER  Signature (Electronic Submission)  Date 06/26/2014		Formation		Тор	Bottom		Descript	ions, Contents, etc.			Name			
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Electronic Submission #251042 Verified by the BLM Well Information System. For HPOC, LLC, sent to the Rio Puerco Committed to AFMSS for processing by JIM LOVATO on 07/01/2014 ()  Name (please print) BUTCH BUTLER  Title MANAGER  Signature (Electronic Submission)  Date 06/26/2014	24 11	lutifu that	the female	aing and attack	had infarma	tian is same	slata and a	omeat as datamained	from	all available	mananda (aas atta	ahad inatmastic	na).	
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Signature (Electronic Submission) Date 06/26/2014						For HPO	C, LLC,	sent to the Rio Puc	rco	•				
	Name	e(please print)	BUTCH	BUTLER_				Title MA	NAG	ER				
	Signature (Electronic Submission)							Date 06/	26/20	)14				
	~.6.1													
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	Tid 107	ICC Section	1001 003	Title 42 11 C /	C Caption 1	212 make :	t a orimo f	or any pareon knowi	naly o	nd willfuller	to make to our de	nartment or or	Tenev	

## Additional data for transaction #251042 that would not fit on the form

## 32. Additional remarks, continued

This well has a dual completion, with an oil zone at the top of the Entrada formation and water sink zone below. Approximately 10 times the fluid volume will be moved from the water sink versus the oil side of this completion. In theory, this will create a pressure sink below and prevent water coning into the oil zone. See attached PDF with as drilled well-bore diagram.

Halliburton openhole logs from the deepening of the well in 2013 have already been submitted. Based on recent tubing tallies and GR-CCL log runs, depths on these logs need to be shifted down 11 feet. Tops/depths in this completion report have this 11' shift applied.