Form 3160-4 (March 2012)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG													5. Lease Serial No. NMSF078051					
la. Type of	Well Completion:	☐ Oil V	Vell Well	<b>Z</b> G □ w	as Well ork Over	Dry Deepen	Other Plug Back	k 🔽 Diff	f. Resvr.				6. It	6. If Indian, Allottee or Tribe Name				
		Othe			-					,			7. U	7. Unit or CA Agreement Name and No.				
2. Name of BP Americ	Name of Operator BP America Production Company													8. Lease Name and Well No. Mudge LS 24				
	3a. Phone No. (include area code) Houston, TX 77079 (281) 366-7148													PI Well 045-111	No.			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*													10.	Field and	Pool or Ex	ploratory		
NENE 790FNL 790FEL 36.946228 N Lat, 107.987808 W Lon At surface													11.	Basin Mancos 11. Sec., T., R., M., on Block and				
	NENE 790FNL 790FEL 36.946228 N Lat, 107.987808 W Lon													Survey or Area Sec 33 T32N R11W				
	At top prod. interval reported below													County o	13. State			
At total depth NENE 790FNL 790FEL 36.946228 N Lat, 107.987808 W Lon													Sar	Juan		NM		
14. Date Spudded													Elevation 2 GL	ns (DF, RK	B, RT, GL)*			
18. Total De	epth: MD		•		19. Plu	ig Back T.D.:	MD 7516 TVD	5		20. De	epth Br	idge Plug		MD TVD				
21. Type El			ical Lo	gs Run (	Submit co		VD			1		cored?	<b>√</b> N	о 🔲	Yes (Submi			
CBL											Vas DS' Direction	Γrun? nal Survey			Yes (Submi Yes (Submi			
23. Casing	and Liner R	Record (Re	port a	ll strings	s set in wei	<u>''')</u>	Ctoro	Cementer	No	of Sks					·····			
Hole Size	Size/Gra		. (#/ft.)	) To	p (MD)	Bottom (MD)		Depth	Type	of Cer		Slurry Vol. (BBL)		Cement Top*		Amount Pulled		
9.875	10.75/ K	-				228	-		200					0				
6.75	7.625/ J 5.5/ N-8		4			7537			200 250					4770		•		
0.75	3.5/ 14 0	<del>-  </del>				7307			250						RCUD M	AY 21 '13		
													•	UIL CONS. DIV.				
															DI	51.3		
24. Tubing Size		Set (MD)	Pac	ker Dept	h (MD)	Size	Depth	Set (MD)	Packer	Depth (	MD)	Siz	e	Deptl	h Set (MD)	Packer Depth (MD)		
2.375	6425														, , , , , , , , , , , , , , , , , , , ,	,		
25. Produci	ng Intervals Formation			T	op "	Bottom		Perforation Perforated In			1	Size	No. 1	loles		Perf. Status		
A) Basin N				6525	ор _	6760		6690-6700			3.125		35	10103	GOOD	Terr. Status		
B)	,						6700-6	6700-6720 3.125					35					
C)							6720-6740 3.125					5	35 GOOD					
D)				<del></del>				6740-6760 3.125 6525~6600 3.125					35		GOOD			
27. Acid, F	racture, Treated Depth Inter		ment S		etc.		165.	25 ~ G	Amount	and Ty	pe of N	25 faterial	50		600)	>		
6525-6600			- 4	41709 (	GALS w/	10% HCL ACIE	)											
6690-6760	0			37036 C	BALS w/1	0% HCL ACIE	)											
			$\dashv$															
28. Product	ion - Interva	al A			<u> </u>													
Date First Produced	Test Date	Hours Tested	Test Prod		Oil BBL		Water BBL	Oil Gravity Gas Pro Corr. API Gravity		Proc	roduction Method			•				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 H Rate		Oil BBL		Water BBL	Gas/Oil Ratio		Well Status								
28a. Produc																		
Date First Produced	Test Date	Hours Tested	1		Oil BBL		Water BBL	Oil Gra Corr. A		Ga Gra	s avity	Prod	uction N	lethod				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 H Rate		Oil BBL		Water BBL .	Gas/Oil Ratio		We	ell Stati	IS						
		<b></b>		-														

28b. Prod	uction - Inte	rval C			· <del></del> -	<del> </del>					
		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gi Corr.		Gas Gravity	Production Method	٠,
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/O Ratio	il	Well Status		. 1
	uction - Inte		1.	1			- <sub>7</sub>				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gi Corr.		Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/C Ratio	Dil	Well Status		
29. Dispos Captured	sition of Ga	s (Solid, us	ed for fuel, ve	nted, etc.)		<u> </u>	1		<b></b>		
30. Sumn	nary of Porc	ous Zones (	Include Aqui	fers):					31. Formatio	on (Log) Markers	
	ng depth int				eof: Cored into						<u>,                                      </u>
Formation Top Bottom					Descrip	otions, Contents	s, etc.			Name	Top  Meas. Depth
								PICTURED CL	IFFS	2860	
									LEWIS		2940
									MESAVERDE		4335
											4425
									MENEFEE		4560
									MANCOS		5050
									DAKOTA		7399
32. Addit	ional remar	ks (include	plugging pro	cedure):					•		
Well is s	hut in wait	ting on fac	ed into fracto cilities & C-1 st delivery.		val.					·	
33. Indica	ate which ite	ems have be	een attached b	y placing a	check in the ap	propriate boxe	s:	•			
☐ 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   here	by certify th	at the fore	poing and atta	ched inform	nation is compl	ete and correct	as dete	rmined from	all available re	cords (see attached instructions)*	·
	lame (please			oned illiott	pr			Regulatory	Analyst		
s	ignature <u>(</u>	Joseph	- Com	<u> </u>			Date _		5/20/3	2013	·
					1212, make it a				d willfully to r	make to any department or agency	of the United States any

(Continued on page 3) (Form 3160-4, page 2)

## KEULIVED

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APR 22 2013

FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

PARAMIGTON FIELD OFFICE

	WI	ELL CO			RECOMPLE			F:	armın QÇof	igton l f Land	ield Man	alleir	ease ser	ial No.	ctoper 51, 2	
												'NM	SF0780	051		
la. Type of V	Well	∐Oil V	Vell 🗸	Gas Well	Dry Deepen	Other	[7] p:o	r 13				6, H	Indian,	Allottee or	Tribe Name	
		Other		- Work Ov		Plug Back		. Kesvr.,				7. U	nit or C	A Agreemer	nt Name and	J No.
2. Name of BP Americ	Operator a Producti	on Comp	any										ease Na Ige LS	me and Wel 24	l No.	
3. Address	501 Westlake	Park Blvd.	<del>,</del>	****			a. Phone l		nde area	a code)		9. A	PI Well	No.		,
	Houston, TX		on elearly	and in acca	rdance with Fede	, ,	281) 366	5-/148					045-11	187 d Pool or Ex	aloratory	
		•			N Lat. 107.987	-	,,,,,						in Man		4/10/4(01)	
At surface	e		NFN	E 790EN	790FEL 36.9	46228 N Lat	107.98	7808 W	/ Lon			11. 3	Sec., T., Survey o	R., M., on I or Area Sec	Block and 33 T32N F11	W
At top pro	d, interval r	eported bel			2,00. 22 00.0	,	., 107.00	, 000 1				12. (	County	or Parish	13. S	tate
At total depth NENE 790FNL 790FEL 36.946228 N Lat, 107.987808 W Lon												San	Juan		NM	
14. Date Sp	udded		15. Dat	e T.D. Reac		16. I	Date Comp							ns (DF, RK	B, RT, GL)	*
08/28/196 18. Total De		7507	09/13/		Plug Back T.D.;		D&A			Prod. pth Brids	- Dluc		2 GL MD			
•	TVI	)		Ì		TVD			20. 190	pur isrraş	ge Piug		TVD			
	ectric & Oth	er Mechani	cal Logs R	un (Submit	copy of each)		\			as well co		ZN		Yes (Submi	- /	
CBL								*******						Yes (Subm		
23. Casing	T					Stage (	'ementer	No	of Sks.	Rr I	Slurry	Vol	A- <del></del>			
Hole Size	Size/Gra	ide Wt.	(#/ft.)	Top (MD)		133 1 5	pth		of Cem		(BBI		Cem	ent Top*	Amo	ount Pulled
15	10.75/ K				228		***************************************	200								
9.875	7.625/ J		4	•	2943			200						5510	2 *****	6 -F -F"
6.75	5.5/ J-5/5	רו עסיאו			7537		<del></del>	250				<u> </u>			<u>) MAY 1</u> CONS. I	
											·				DIST. 3	
								<u> </u>							<i>J</i> iJI. U	
24. Tubing																
Size 2.375	Depth S 6425	Set (MD)	Packer I	Depth (MD)	Size	Depth S	et (MD)	Packer	Depth (N	MD)	Size	;	Dept	h Set (MD)	Packe	er Depth (MD)
25. Produci						26. Pe	erforation	l Record							ļ	
	Formation	1		Тор	Bottom		Perforated Interval			Size		No. Holes			Perf. Stat	lus
A) Basin N B)	Mancos		6690	0	6760		6690-6700			3.125		35		GOOD .		····
C)							6700-6720 6720-6740							GOOD	GOOD	
D)						6740-6760 3.125						35 GOOD				
27. Acid, Fi	acture, Trea	itment, Cer	nent Sque	eze, etc.	<u></u>	10,400,	00		<u></u>	0.120		-		GOOD	···	
	Depth Interv	/al						Amount	and Typ	e of Mat	erial					
6525-6600 6690-6760					//10% HCL ACI //10% HCL ACI											
0090-0700			3703	O GALS V	1/ 10% HOL ACI	טו										
			+-													
28. Product	,				1		T	·								
Date First Produced	l	Hours Tested	Test Production	i	Gas MCF	Water BBL	Oil Grav Corr. Al		Gas Grav		Produ	iction M	ethod			
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil		Wel	l Status	_1					
	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio									
28a. Produc																
Date First Produced		Hours Tested	Test Productio	1	Gas MCF	Water BBL	Oil Grav Corr. Al		Gas Grav		Produ	iction M	ethod			
Size	, ,	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	• • • • • • • • • • • • • • • • • • • •	Wel	l Status					EV/OF	(ACCAN)
	SI uctions and	spaces for	additional	data on pag	e 2)	. ,0%									292	

	uction - Inte			· •												
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr, API	Gas Gravity	Production Method							
<u> </u>		CI		6.0			62.407	171 H Ct.								
Choke Size	Tbg. Press. Flwg. S1	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status								
28c. Prod	uction - Inte	rval D							The state of the s							
Date First		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	<del>17 ····································</del>						
Produced		Tested	Production	BBL	MCF	BBL	Corr, API	Gravity								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Fir. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Well Status							
29. Dispo Captured	sition of Cias	s (Solid, u	sed for fuel, ve	ented, etc.,	)											
30. Sumr	nary of Poro	ous Zones	(Include Aqui	ifers);				31. Formati	on (Log) Markers	· · · · · · · · · · · · · · · · · · ·						
	ing depth int					intervals and al ing and shut-in	l drill-stem tests, pressures and			Too						
For	mation	Тор	Bottom		Des	criptions, Conte	ents, etc.		. Name	Тор						
										Meas. Depth						
								PICTURED C	CLIFFS	2860						
			,					LEWIS		2940						
								MESAVERDI		4335						
	•			} .				CLIFFHOUSE	<b>E</b>	4425						
	4					•		MENEFEE		4560						
								MANCOS		5050						
	. Дакота							7399								
			plugging pro													
			ed into fracfo													
			cilities & C-1 st delivery.	104 appr	oval.											
									•							
33. Indica	ate which ite	ms have b	een attached b	y placing	a check in the	appropriate bo	xes:									
Fla	ctrical/Mech	anical Lore	(   full set req'	d i	<b>_</b>	Geologic Repor	rt DST R	enort	☐ Directional Survey							
		_	and cement ve			Core Analysis	Other:		Directional survey							
34. I here	by certify th	at the fore	going and atta	ched info	rmation is con	nplete and corre	ect as determined fro	om all available re	ecords (see attached instructions)*							
N	lame <i>(please</i>	print) To	ya Colvin	h			Title Regulato	ry Analyst								
S	ignature <u> </u>	Joy	a (10		<u> </u>		Date 4/17/2013	3								
Title 18 U	S.C. Section	n 1001 and	Title 43 U.S.	C. Section	n 1212, make ns as to any m	it a crime for an	ny person knowingly jurisdiction.	and willfully to	make to any department or agency	of the United States any						

Line Line

(Continued on page 3)