Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED MB No. 1004-0137 Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

	******	,							IXEI OI	\ 1	A110 L	.00] [MSF078	580A		
	Well			_	Vell			Othe						6. I	lndian, Al	lottee	or Tribe Nar	ne
b. Type of	f Completion	_		Vell	□ Work	Over		Deepe	en 🗆 F —	Plug	Back	□ Diff.	Resvr.	7. (Init or CA	Agree	ment Name a	ind No.
2. Name of BP AMI	Operator ERICA PRO	DUCTIO	ON C	0		C	Contact		Y CORLE		bp.com				ease Name MOORE 5		Well No.	
3. Address	P. O. BOX HOUSTO		7253						3a. Phone Ph: 281.			e area cod	e)	9. A	API Well No		045-31147-	 00-S1
	of Well (Rep Sec 9	T30N R8	BW M	ler NMF	•				-	nts)		A UATOR			Field and I BLANCO I		r Explorator	7
At top p	rod interval r			BOFWL	36.4920	0 N L	.at, 10	7.4110	00 W Lon	Ř.	670	9107		11.	Sec., T., R or Area Se	, М., с эс 9 Т	or Block and 30N R8W I	Survey Mer NMP
At total		eported t	CIOW						E E	<i>M</i>	ש ע ולמים	35° 1 20112		12.	County or SAN JUAN	Parish 1	13. Sta	
14. Date Sp 09/24/2	oudded 2002				te T.D. I		ed				Complet A	ed av sal	G	17.		(DF, 1 896 G	кв, RT, GL) L	*
18. Total D		MD		5352	1	19. P	lug Bac	ck T.D.		2/24	1/2002	01/35. L 1651. S		oth Br	idge Plug S	et:	MD	
	•	TVD							ΤVY	6	>		1.00	,			TVD	
21. Type E OTH	lectric & Oth	er Mecha	nical	Logs Ri	un (Subn	iit cor	y of ea	ich)		JA.	ELG 9Z	22. Was 57 7 Was	well core DSF run ctional St	d? ? irvey?	No No No	ĦΥ	es (Submit a es (Submit a es (Submit a	nalysis)
23. Casing ar	nd Liner Reco	ord (Repo	ort ali	strings	set in we	:11)						,	,					
Hole Size	Size/G	rade	Wt.	(#/ft.)	Top (MD)	,	Botto: (MD		tage Cemer Depth	iter		of Sks. & of Cement	Slurr (Bl		Cement	Top*	Amoun	t Pulled
13.500 8.750		25 H-40 000 J-55		32.0 20.0		0		143				15 29			ļ		0	
6.250		00 J-55		12.0						- .		18	_			2329		
			<u> </u>										·					
24. Tubing	Pacord																	
	Depth Set (M	(D) P	acker	Depth	(MD)	Size	: [Depth S	et (MD)	P	acker De	pth (MD)	Size	T D	epth Set (N	(D)	Packer De	oth (MD)
2.375		4939		•	`						·				``			
25. Produci	ng Intervals							26. Pe	erforation R									
	ormation	DDE		Тор	4064	Botte			Perfora	ted	Interval	0.4636	Size	_	No. Holes	 	Perf. Sta	tus
A) B)	MESAVE	KUE			4261		5258					O 4636 O 5258		330	50	+		
C)							-		•		7000 1	0 0200	<u> </u>	"		+		
D)														\top		 	·	
27. Acid, Fi	racture, Treat	ment, Ce	ment	Squeeze	e, Etc.													
	Depth Interva											d Type of	Material					
									0% QUALIT									
	40	00 10 5	236	113,000	# OF 10/3	O BIV	-U1 3A	1110, 70	7% QUALIT	-	DAIVI & IV							
28. Product	ion - Interval	A																
Date First	Test	Hours	Tes		Oil	Ga		Wate			avity	Gas		Produc	tion Method			<u> </u>
Produced 10/24/2002	Date 10/24/2002	Tested 12	Pro	duction	BBL 1.0	. M	CF 500.0	BBL	0.0	orr. A	API	Grav	ity		FLO	WS F	ROM WELL	
Choke	Tbg. Press.	Csg.	24		Oil	G		Wate		as:O	il	Well	Status	<u> </u>				
Size 3/4	Flwg. SI	Press. 60.0	Rat	-	BBL	M	CF	BBL	′ ^R	atio		į	PGW					
28a. Produc	tion - Interva	il B			I .			ــــــــــــــــــــــــــــــــــــــ	1									
Date First Produced	Test Date	Hours Tested	Tes Pro	duction.	Oil BBL	Ga M	as CF	Wate BBL		il Gr	avity API	Gas Grav	ity	Produ	CEPTE	D FC	R RECO	RD,
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Rat		Oil BBL	Ga M	as CF	Wate BBL		as:O atio	il	Well	Status		NOV	0 5	2002	
(See Instruct		cos for a	Iditio	nal data	on rava	sa sic	la)						·		ARMINIST.	UM E	IELD OFFI	
ELECTRO	NIC SUBMI	SSION # ED ** R	15520 EVI	6 VERI SED *	FIED BY	THI	E BLM O ** R	I WEL	L INFOR	MA RE\	TION S'	YSTEM ** REV	ISED **	RE	SED *	RE	*Ce	

28. Production - Interval C	70h h 1	uation Tet											
The production of the production and the production				Test	Toil	Gas	Water	Oil Gravity	Ic.	· c	Production Method		
Size Program Size Program Size S											Froduction Method		
District Total State T		Flwg. Press. Rate							We	ell Status	•		
Top Descriptions Production BBU MCF BBU Cor APF On-why	28c. Prod	uction - Interv	/al D		<u></u>	<u>.</u> L	-					· · · · · · · · · · · · · · · · · · ·	
Pieg. Pieg													
Sol.D 30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tests, cushion used, time tool open, flowing and shur-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. De SAN JOSE Formation 213 213 1474 1670 1474		Flwg. Press. Rate							We	ell Status			
30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem 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 Meass De SAN JOSE NACIMIENTO 213 1474 OJO ALAMO 1474 1670 32. Additional remarks (include plugging procedure): Please see attached for Subsequent Completion Report. 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #15526 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO., sent to the Farmington Committed to APMS for processing by Adrienne Gards on Lindy-2022 (30ANG) 2012 PROPER SENTATIVE Name (please print) MARY CORILEY Title AUTHORIZED REPRESENTATIVE 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.			Sold, used	for fuel, ven	ted, etc.)								
Show all important zones of porosity and contents theroof. Cored intervals and all drill-stem 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. De SAN JOSE Formation 213 1474 JOSE 193 1474 JOSE 2050 JO ALAMO 1474 1670 ALAMO 1474 1670 JOSE 1930 JOSE 1931 JOSE 1932 JOSE 1932 JOSE 1933 JOSE 1933 JOSE 1934 JOSE 1933 JOSE 1934 JOSE 1935 JO			Zones (Inc	lude Aquife	ers):					I 31. For	mation (Log) Markers		
Formation Top Bottom Descriptions, Contents, etc. Name Meas. De Meas. De SAN JOSE NACIMIENTO 213 1474 1670 21474 1670 215 1474 1670 216 1474 1670 2175 1474 1670 2175 1474 1670 2185 HALE 2950 2185 HALE	Show tests,	all important including dep	zones of po	orosity and c	ontents ther				ures		, <i>U</i>		
NACIMIENTO OJO ALAMO 1474 1670 1474 1670 1670		Formation		Тор	Bottom		Description	ons, Contents,	etc.	Top Meas. Depth			
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #15526 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 11/05/2002 (03AXG0210SE) Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE Signature (Electronic Submission) Date 10/28/2002	NACIMIE	NTO		213	1474				11.44	LE\ CLI ME PO	WIS SHALE IFF HOUSE NEFEE INT LOOKOUT	2950 4259 4607 4930	
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (I full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #15526 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 11/05/2002 (03AXG0210SE) Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE Signature (Electronic Submission) Date 10/28/2002													
1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 3. DST Report 4. Directional Survey 6. Core Analysis 7 Other: 3. DST Report 4. Directional Survey 6. Core Analysis 7 Other: 3. DST Report 4. Directional Survey 6. Core Analysis 7 Other: Title Authoritation System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 11/05/2002 (03AXG0210SE) Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE Signature (Electronic Submission) Date 10/28/2002	32. Addii Pleas	tional remarks se see attach	(include p	lugging prod bsequent C	edure): completion	Report.							
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #15526 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 11/05/2002 (03AXG0210SE) Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE Signature (Electronic Submission) Date 10/28/2002													
Electronic Submission #15526 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 11/05/2002 (03AXG0210SE) Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE Signature (Electronic Submission) Date 10/28/2002			_	`	• ′	n					port 4. Direct	ional Survey	
Signature (Electronic Submission) Date 10/28/2002				Elect	tronic Subn For BP A	nission #15 MERICA	526 Verifie PRODUCT	d by the BLM TON CO, sen Irienne Garcia	Well Info t to the Fa on 11/05/	rmation Sy rmington 2002 (03AX	stem. (G0210SE)	ctions):	
					sion)								
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any nerson knowledge and willfully to make to any department or agency	Signa		(LIBURIU)	ao Gubilliss	,,,,,,,		··· ···		10/20/20	,UL			
of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.	Title 18	U.S.C. Section	1001 and	Title 43 U.S	.C. Section	1212, make	it a crime f	or any person l	cnowingly	and willfull	y to make to any department of	or agency	

MOORE 5B COMPLETION SUBSEQUENT REPORT 10/28/2002

10/04/2002 RU & NU Frac head & Frac valve – test liner to 3000#. HELD OK. RU & run TDT log.

10/09/2002 RU & Perf Point Lookout with 2 SPF, 120° phasing, .330 inch diameter, 25 shots / 50 holes:

5258', 5239', 5230', 5221', 5208', 5198', 5187', 5177', 5126', 5113', 5078', 5049', 5040', 5035', 5019', 5005', 4992', 4982', 4972', 4964', 4953', 4944', 4928', 4870', 4860'

10/10/2002 RU & Frac w/113,666# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @ 4716'. RU & perf Menefee with 2 SPF, 120°, .330 inch diameter,25 shots / 50 holes:

4635', 4590', 4576', 4565', 4557', 4539', 4529', 4520', 4510', 4492', 4483', 4462', 4451', 4436', 4421', 4396', 4357', 4342', 4332', 4317', 4307', 4302', 4281', 4266', 4261'

RU & Frac w/105,519# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¼" choke for 8 hrs. Upsized choke to ½" & flow back.

10/11/2002 Flow back well thru ½" choke. @ 14.30 hrs upsized to ¾" choke & flow back for 8 hrs. SI Well.

10/18/2002 Blow down well. TIH & C/O file to CIBP set @ 4716'. Mill out CIBP. PU above TOL & flow well to pit w/watchman thru 3/" choke.

10/21/2002 TIH & C/O fill to PBTD @ 5346'. PU above TOL & flow well on 34" choke w/watchman.

10/22/2002 Flow back well thru ¾" choke. TIH & tag 94' of fill. C/O to PBTD. PU above TOL & flow back well thru ¾" choke.

10/23/2002 Flow back well thru ¾" choke. TIH & tag 28' of fill. C/O to PBTD. PU above TOL & flow back well thru ¾" choke.

10/24/2002 TIH & tag 8' of fill. C/O to PBTD. PU above perfs & flow test well 12 hrs. thru %" choke. 500 MCF Gas, trace WTR, Trace oil. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 4939'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 23:00 hrs.