September 2001)	UNITED STAT DEPARTMENT OF TH BUREAU OF LAND MA	ES E INTERIOR NAGEMENT	HOBBS OCD JUN 1 2 2012	FORM APPROVED OM B No 1004-0135 Expires January 31, 2004
SUNI	DRY NOTICES AND RE		•	5 Lease Senal No LC 029509B
Do not u	se this form for proposals	to drill or to re	-enterented	6 If Indian, Allottee or Tribe Name
abandone	ed well. Use Form 3160-3	(APD) for such p	proposals.	N/A
SUBMITIN	TRIPLICATE- Other ins	tructions on reve	erse side.	7 If Unit or CA/Agreement, Name and/or No
1 Type of Well	Gas Well 🗔 📈 Other			N/A Well Name and No.
2 Name of Operator Frontie	<i>F</i>	Maljamar AGi #1		
3a Address		3b Phone No (inclu	ude area code)	9. API Well No 3002540420
4200 Skelly Dr., St. 700,		918-388-8408		10 Field and Pool, or Exploratory Area
	Sec, T, R, M, or Survey Description,			Exploratory (Lower Wolfcamp)
130' FSL, 1813' FEL Sec Acid Gas Injection Well,	. 21, T 17 S, R 32 E, NMPM, Lea Unorthodox Location	Co. NM ♥		Lea
12 CUEC	K APPROPRIATE BOX(ES) T	Ο ΙΝΟΙΟΔΤΕ ΝΑΤΙ		· · · · · · · · · · · · · · · · · · ·
			YPE OF ACTION	
TYPE OF SUBMISSIO	Acıdıze		Production (St	art/Resume) Water Shut-Off
Notice of Intent	Alter Casing	Deepen Fracture Treat	Reclamation (St	Well Integrity
Subsequent Report	Casing Repair	New Construction	· · ·	Other
Final Abandonment Not	Change Plans	Plug and Abandon	particular and partic	AN
	Convert to Injection	Plug Back	· Water Disposal	
If the proposal is to deep Attach the Bond under w following completion of	en directionally or recomplete horizonta hich the work will be performed or pro- the involved operations. If the operation	ally, give subsurface locat wide the Bond No. on file on results in a multiple cor	stimated starting date of a tions and measured and tri e with BLM/BIA Requir npletion or recompletion	ny proposed work and approximate duration thereof ue vertical depths of all pertinent markers and zones red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once
If the proposal is to deep Attach the Bond under w following completion of testing has been complet determined that the site is Operator proposes a conditions at TD. Bo Originally-approved Stage 1: Corros Stage 2: Class H Requested enhanced Stage 1: Corros	en directionally or recomplete horizonta hich the work will be performed or pro- the involved operations. If the operation ed. Final Abandonment Notices shall be ready for final inspection) revised cement program to enhan oth the original approved cement po- cement program: ion Resistant Cement (CorrosaCe Cement ~5,000' to Surface cementation program modification ion resistant cement (CorrosaCe	ally, give subsurface locat wide the Bond No. on file on results in a multiple cor be filed only after all requi nce cement job quality program and the new m and/or Thermalock on: n) from 10,183' (TD) t	stimated starting date of a ions and measured and tri- e with BLM/BIA Requir npletion or recompletion rements, including reclan for 7 5/8" hole - 5 1/2 enhanced cement prog) from ~10,000' (TD) t	ny proposed work and approximate duration thereof ue vertical depths of all pertinent markers and zones ed subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once nation, have been completed, and the operator has "Iong string casing given actual hole gram are detailed below: o ~5,000' ection zone; basal cap rock zone; seal
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Company:	PB ENERGY Frontier		Serv. Ctr:		Hobbs Jamie Gonzales E	ric Elliot,Pete Garza,	Proposal No:	
Lease/OCS-G:		1	Serv. Coor:		Louis Sosa		Time Req:	
Well/Block:			Town or City:		Hobbs		Customer:	Andrew Park
County/Parish:	Lea		Bulk Plant:		Hobbs			Jim Cooper
State:	New Mexico	Mileage:	40		Bulk		Operator:	
							e Pipe Depth:	40
	0		(m) 0 mm	Due due die a	0	the second s	& Wall Thick:	
Casing Type	Cond.	Surf.	Int. Csg.	Production	Production	Production		l
Discount	40	45% 850	45% 4,200	45% 9800-10000	ThermaLock 9320-9800	45% 0-9320		
Depth (MD) Depth (TVD)	40	850	4,200	DV Job-Stg 1	DV Job-Stg 2	DV Job-Stg 3		· · · · ·
Casing Size	20	13 3/8	8 5/8	5 1/2	5 1/2	5 1/2		
Casing Weight	94	48	32	17	17	17		
Casing Thread		STC	LTC	LTC	LTC	LTC	· · · ·	
Casing Grade		H-40	J-55	L-80	L-80	L-80		
lole Size		17 1/2	12 1/4	7 7/8	7 7/8	7 7/8		
Shoe Joint (Ft)		40	40	40	40			
			PUMPED DOWN A		PUMP DOWN			
OC Lead			PE INNERSTRING	PUMP DOWN CSG	CSG	PUMP DOWN CSG		
OC Lead		0 550	3,800	9,800	9.320	8,650		
OC Tall IOC Lead	├ ────	550	3,800	3,000	5,520 .	8,650		
IOC Tail		300	400	200	480	929		
op of Liner								
ack Fill								
Squeeze Amt.					- A			
OH Cmt. Excess		50%	50%	25%	0%	25%		
CSG Cmt. Excess		10%	10%	10%	10%	10%		
Nud Weight		89	10 1	91	91	91	_	
Mud Type		WBM	WBM	WBM	WBM	WBM		····
BHST		85	107	144	144	138		
Spacer Vol		20 bbls Gelled Spacer	20 bbls - Gelled Spacer	50 BBLS TS III	50 BBLS TS III	20 bbls		
Spacer Type Spacer Density		8 34	8 34	12	12	Gelled Spacer 8 34		
pacer Density		0.04	0.04	12	12			
LURRY DATA/CO	MMENTS							Mix Wtr. Typ
				•				. Fresh
Gelled Spacer	2 5# / bbl WG-1	19						
SURF	Weight-Lead	13 5	Water-Lead	9 18	Yield-Lead	1 75		
	Weight-Tail	14 8	Water-Tail	6 37	Yield-Tail	1 34		
ead		em-C + 125 lb/sk l			•			
ail op Out Cmt		Premium Plus, 1%						
op Out Om	Swiittem Premit	um Plus, 2% CACL	100 282					
NTCSG								
.ead	Weight-Lead	13 2	Water-Lead	8 377	Yield-Lead	1 611		
all	Weight-Tail	14.8	Water-Tail	6 37	Yield-Tail	1 34		
.ead		Cem C + 3% Econol	ite + 5% LAP-1 + 5% CF	R-3 + 1 lb/sk Salt + 25 lb/		HR-800 + 25 lb/sk D-Air	3000	
ail	200 sks Premium							
op Out Cmt								
PROD CSG	Marcht Of- 1	14.0	14/-1		X()	4.45		
	Weight-Stg 1	14 8	Water	3.20	Yield	.1 15		
10/00	Weight-Stg 2 ht-Stg 3-Lead	15 5 12 7	Water Water	3 38 10 26	Yield Yield	0 88 1 87		
	ight-Stg 3-Tail	15 8	Water	5 15	Yield	1 16		
1			-1 + 3% CFR-3 + 3% Salt					
		ThermaLock + 8%						
-			5 Poz, 6% Gel) + 5% LAP	-1 + 25% D-Aır 5000			-	
•								
tg 3 - Tail	100 sks Premium	Cement + 5% LAP	-1 + 25% D-Air 5000				1	

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3rd party "pod" cleanout to ready for Thermalock

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Cementing Call for Services

		The Road to Ex	cellence Starts with Safe	ty 🦾					
Sold To #: 304429	Shi	p To #: 2915495	Primary Sales Order #: 9391873						
Customer: PB ENE	RGY STORAGE	SERVICES INC	Job Purpose: Cemen	t Multiple Sta	ges				
Well Name: Frontie	er Maljamar AGI		Well #: 1	API/UWI #	#: 30-025-	40420			
Field:	Cit	: MALJAMAR	County/Parish: Lea		State/F	rov: New Mexico			
Legal Description: S	Section 21 Town	nship 17S Range 3	2E						
Customer Rep: Ard	loin, Gerald M	obile:432-400-2384			•				
Ordered By: Ardoir	n, Gerald Mob	ile:432-400-2384							
Contractor: PRECIS	SION;								
Rig/Platform Name	Num: Precision	33			Locatio	n: Land			
Sales Person: COO	PER, JAMES			Status: Pend	ing/Will-C	Call			
	PPE, Safetj	'Huddles, JSA's, HO	C & Near Miss Reporting,	BBP Observat	ions 🕺				
Distance/Mileage(1	way) Srvcs:	30.0 miles	Distance/Mileage(1 w	ay) Mtis:		30.0 miles			
Call Taken By:	LOU	JIS SOSA.	Call Taken Date/Time) :					
			Rqstd Job Start Date	Time:	10-Ap	r-2012 00:00 GMT			
		HS	E Information						
H2S Present:	Unknown		CO2 Present:		nknown				
Drive Safely	Lights On fo	Safety Wear Se	at Belts. Observe al	HES / Cust	omer Sa	fety Policies.			
Directions [.]	The second s			CT THE UP THE WORLD AND					

On 62/180 to 529 turn right for 23 miles to MM7 (Maliamar Rd) turn right for 1.8 miles to Conoco Rd rig will be on the right.

Remarks

General: (See Attachment)- SERVICE SUPERVISORS, YOU NEED TO MAKE SURE TICKET IS ACCURATE BEFORE RECEIVING CUSTOMER SIGNATURE. IF YOU HAVE ANY DOUBT IN YOUR MIND THAT YOU ARE NOT SURE OF PRICING. PLEASE CONTACT A COORDINATOR IF NO SERVICE LEADER IS ON LOCATION.

WILL CALL TO SPOT AND LOAD

6/9/12 1500 Need to get a mud sample from location and get to the lab so we can design the TSIII, Engineers need a TSIII request put in and results by 0800 6/10/12. - Eric

6/10/12 1000 Need to spot and load all 2nd stage lead by 2359 6/10/12, also make sure that you send the Thermalock artoons to dispatch we are wtill waiting on the ok from JC on the thermalock. - Eric

leave for the job need to talk with a coordiinator to make sure we are all on the same page, we will run red dve in spacers on all three stages take 3 bottles and behind as normal half bottle per

6/10/12 1630 these ae final volumes still waiting on the blessing for the thermalock (2nd stage primary) and the 1st stage primary cement job is now a 3 stage. Have bulk plant load all 3rd stage lead on bin previous instructions said the 875 it is now 940sks- Eric

6/10/12 1733 updated salt conc in 1st stage primary cement. - Eric

Price Book Date:	3/6/2012
SUMMIT Version:	9391873

HALLIBURTON

Cementing Call for Services

[·~+] :	2.2.4			1		Pu	mping E	Equip	ment (Gen	eric)	* *			1		
	ription			Qty		ments			Description					Qty	Comm		
PIC	VP TR	UCK		1				RC	RCM PUMP TRUCK				1				
FIEL	D STOP	RAGE BIN		1				WIN	ICH TR	UCH	(S			1	-		
BOC	STER F	PUMP		1				BU		JCK	S			3			
100	BBL BA	TCH MIXER		1				STA	STAND-BY UNIT						Musth	ave no e	xceptions
					-				-****		•				• • • • • • • • • •	•	
						Su	irface E	quipn	nent (C	Sen	ěric)	¥ 1."		GRAN.		273 g 3.5	
	ription			Qty		ments	<u> </u>		cription			·		Qty	Comm		
SWA				1	-			PLU	JG CON	IATA	NER			1			
QUI	QUICK-LATCH ATTACHMENT																
<u>، محمد م</u>					Arts 1 0 1 1		Jobi	nfo///	Well D	ata				l Contractor	ار بن چین میں ایک ار بن چین میں میں	a. ⁵	and a second
loh	Depth	Job Depth	Ma	x	1				Well	Ehi	4	·····				Dianl	luid Weight
	1D) ft	(TVD) ft	Press			Well Fl	uid Type		Weight				Displac	ement l	Fluid		om/gal
L		·····	ps	g	ļ												
	000.0	10000.0			<u> </u>				and the star it as		·· •• • • •					<u> </u>	1
	n di Cirra	a - 1944 - 24		- N	م من من من من مراجع من من من		JOD	lubul			<u>ت ت میں آ لگر</u>	<u></u>	. <i>فرند ارمدا</i> ا		<u></u>	بېيە <u>شەمارىر ئىدىرى ئ</u>	and the sine was
	Des	cription	Siz		Veight Ibm/ft	ID in	Thread	Grade	Top		Btm ft		iopi ft		n TVD S ft	noe Jnt ft	% Excess
	ntermed	liate Casing	8.6		32.	7.921	LTC	J-55			4,20				<u>n</u>	40.0	10
		/ Tool			•				9,32		9,32						0
		/ Tool							9,80		9,80						
		ion Casing	5.	5	17.	4.892	LTC	L-80			10,00			_		40.0	0
		B" Hole				7.625			4,20		10,00						25
1.		" توضيع بدين بلويا و شوط، المناهرين الماه في مراس المراسي		<u>, , , , , , , , , , , , , , , , , , , </u>			Tie	ón Côi	nectio	'n				1	1. 1 Sul - 1		
Size:	5 1/2 in		ead: 8 R			<u> </u>			asing			· ·				ired: No	<u> </u>
		and a second state of the second s Second second	24	*****			وزرافين وزنو	Mater	ials	<u>.</u>	، ^{سر} . ژ			Terry and and	18		1. 1. 2. 2. 2
		Plug #: 1															
Fluid	T	uid Name	· Dr			Matoric	Nomo		Rqstd		JOM	De	ensity	Yield	Mix Flu	d Rate	Fluid+Lig
#	1						al Name		Del Qty	· .			m/gal	ft3/sk	Gal/sk	bbl/min	AddGal/sk
1		FLUSH III	MUD F	LUSI	<u> 1 - S</u>	BM (52	8788)		20.00	bbl			8.4				
Fluid	Flu	id Name	Pa	ickag	e/SBM	/Materia	al Name		Rqstd	ι ι			ensity	Yield	Mix Flu		Fluid+Liq
#						<u> </u>			Del Qty 0.48			lbm/gal ft3		ft3/sk	Gal/sk	DDI/min	AddGal/sk
	Gel S	m/bbi	MC 10	50 1		2 (4000)	03638) P	Tro Min		bbl					L		I
Fluid			WG-19	, 50 1	D DAL	5 (1000	03030) F			r			neity	Viold	Mix Flu	d Poto	Fluid+Lig
#	Flu	iid Name	Pa	ickag	e/SBM	/Materia	al Name		Rqstd UOM Density Del Qty UOM Ibm/gal			-	ft3/sk	1		AddGal/sk	
3		age Primary aCem - H	CORR((452967		:ЕМ (Т	M) SYS	TEM		140	sac	ks		14.8	1.17	5.14		5.14
	1			-	12766) Pre-M	ix Dry			L		J	I		.I		L
	0.3			·			50 LB S	K (100	003653	3) Pr	e-Mix	Dry				·	
	3	%	SALT,	BUL	K (1000	03695)	Pre-Mix	Dry									
	0.5	%	GASST	OP,	25 LB	SK (100	0003701)	Pre-N	lix Dry								
	5.141	l Gal	FRESH	WA'	FER M	ix-On-F	ly to Slu	rry									
	Stage/P	lug #: 2												n			
Fluid #	Flu	id Name	Pa	ickag	e/SBM	/Materia	al Name		Rqstd Del Qty	ι	JOM		ensity m/gal	Yield ft3/sk	Mix Flui Gal/sk		Fluid+Liq AddGal/sk
		D SPACER															
1	III Engi Design								25.00	bbl		1	2.0			1	
			L							L		<u> </u>			1		I
	Stage/P	lug #: 2													,		
Fluid	r		D-			(Mater'	l Norre		Rqstd	<u> </u>		De	ensity	Yield	Mix Flui	d Rate	Fluid+Liq
#		id Name	Pa	Package/SBM/Material Name					Del Qty					ft3/sk	Gal/sk		AddGal/sk

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Sold To #: 304429 SUMMIT Version: 7.3.0030

Lab Project # : Ship To # : 2915495 Sunday, June 10, 2012 17:34:00 Sales Order #:9391873 Page 2 of 3

Cementing Call for Services

	Ct (Dive # 2	······································					<u> </u>			
······		Plug #: 2	1			·	·		· ·	·····	
2	Prima	Stage ry nalock TL	2nd Stage Primary Therr	nalock TL	246	sacks	15.5	.87	3.33		3.33
	73	Ibm	CMT - THERMALOCK CE	MENT, 2000	LB SK (1	01004756)	Pre-Mix D	ry ,			
	3.33	32 Gal	FRESH WATER Mix-On-I		· ·						
	Stage/	Plug #: 3									
Fluid Fluid Name			Package/SBM/Materi	Rqstd Del Qty	UOM	Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk		Fluid+Liq AddGal/sk	
1	Gel S	spacer			20.00	Gal					
	2.5 1	om/bbl	WG-19, 50 LB BAG (1000	03638) Pre-M	lix Wet		·				
Fluid #	FI	uid Name	Package/SBM/Materi	al Name	Rqstd Del Qty	UOM	Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
2		tage Lead Cem - HLH	ECONOCEM (TM) SYSTE	M (452992)	940	sacks	12.7	1.86	10.11		10.11
	10.1	09 Gal	FRESH WATER Mix-On-I	Fly to Slurry		,					
Fluid #	FI	uid Name	Package/SBM/Materi	al Name	Rqstd Del Qty	UOM	Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
3	3rd S HalCe	tage Tail m - H_	HALCEM (TM) SYSTEM (100	sacks	15.8	1.16	5.15		5.15	
		8 Gal	FRESH WATER Mix-On-F								
		and a start of the second		Package	d Materia	als is the second s					
SA	ΑΡ #		Material	Qty	UOM	Comments					
1016	33304	MUD FLUSH	HIII, 40 LB SACK	80.0	lbm						
100003638 WG-19, 50 I				2.38	lbm						
	5.5			Sales/Ren	tal/3 rd Pa	arty 👾 😨	15 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3, 9, 9, 9,			
	P#		Description		Qty	Qty uom	Supplie	er	Comm	ents/ Tec	h ID #
10000			ANULATED, IMPERIAL		600	LB					
45			CHRG, NO PRICE ESTAB	LISHED ZI	1	EA					
101201084 RHODAMINE RED LIQ DYE (2)					6	LB .					