-	OCD-HOBBS
Form 3160-5 (September 2001) UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MAN SUNDRY NOTICES AND RE Do not use this form for proposals abandoned well. Use Form 3160-3 (SUBMIT IN TRIPLICATE- Other inst 1. Type of Well Swell 2. Name of Operator Frontier Field Services	Sinterior HOBBS OCU FORM APPROVED OM B No. 1004-0135 Expires: January 31, 2004 AGEMENT 2 2012 5 Lease Serial No PORTS ON WELLAS 2 2012 5 Lease Serial No PORTS ON WELLAS 2 2012 6 If Indian, Allottee or Tribe Name PORTS on reverse side. N/A 7 If Unit or CA/Agreement, Name and/or No. N/A 8. Well Name and No. Maljamar AGi #1
3a Address	9 API Well No. 3b. Phone No (include area code) 30-025-40420
4200 Skelly Dr., St. 700, Tulsa OK 74135	918-388-8408 10. Field and Pool, or Exploratory Area Exploratory (Lower Wolfcamp)
 Location of Well (Foolage, Sec., T., R., M., or Survey Description) 130' FSL, 1813' FEL Sec. 21, T 17 S, R 32 E, NMPM, Lea C Acid Gas Injection Well, Unorthodox Location 	11 County or Parish State
12. CHECK APPROPRIATE BOX(ES) TO	INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION
If the proposal is to deepen directionally or recomplete horizonta Attach the Bond under which the work will be performed or pro- following completion of the involved operations. If the operation testing has been completed. Final Abandonment Notices shall be determined that the site is ready for final inspection.) Please see attached detail of Emergency Request for ap	Deepen Production (Start/Resume) Water Shut-Off Fracture Treat Reclamation Well Integrity New Construction Recomplete Other Plug back lost hole Plug and Abandon Temporarily Abandon and side track to TD Plug Back Water Disposal
14 1 hereby certify that the foregoing is true and correct Name (Printed/Typed)	
Alberto A. Gutierrez, RG	Title Consultant to Frontier Field Services, LLC
Signature	Date 4/25/20P2 ROVED
THIS SPACE FOR	FEDERAL OR STATE OFFICE USE
Approved by Conditions of approval, if any, are attached Approval of this notic certify that the applicant holds legal or equitable title to those rights which would entitle the applicant to conduct operations thereon.	does not warrant or

(Instructions on page 2)

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Page 1 of 8

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MAY 0 3 2012

Maljamar AGI #1 Request to Set Cement Plug and Sidetrack

On April 12, 2012, after drilling to a depth of 5843 ft the drill pipe became stuck. WRH Fishing Company (Roswell, NM) was retained to provide fishing services in an attempt to get the stuck pipe free. Surface jarring produced little results. Wireline free point surveys were run which indicated 100% stuck pipe below 5457 ft and free pipe above 5361 ft. A backoff service was used to backoff the top drill collar and the drill pipe at 5361 ft, leaving approximately 633 ft of drill collars, stabilizers, a shock sub, and the bit in the hole. During the next 12 days, numerous attempts were made to free the fish including jarring, washing over collars, backing off freed collars, more jarring, washing over stabilizers, and ultimately washing over the fish to the top of the bit. On April 24, 2012, after pulling nearly 150,000 lbs over string weight, the grapple broke free from the overshot and was lost in the hole on top of the fish. At that point, the chances of retrieving a broken grapple on top of a stuck fish did not appear good, so further fishing operations were abandoned. A grapple, a shock sub, and a bit (approximately 11 feet total) were left in the hole.

On 4/22/12 we requested an extension of the waiver for the Lesser Prairie Chicken timing restriction to allow us to complete operations due to the delay caused by the unexpected fishing operations. A phone call with Don Peterson of the Carlsbad District on 4/23/12 indicated that BLM would issue the extension.

AKA ENERGY REQUESTS APPROVAL TO SET CEMENT PLUG AND SIDETRACK THE WELL AS PER THE FOLLOWING PLAN:

We will use Halliburton to pump 200 sx of Class C Regular cement containing 0.7% Halad(R)-322 fluid loss additive. Density = 16.8 ppg and yield = 1.02 ft3/sx. Open ended drill pipe will be lowered to 5790 ft (7 ft above the fish) and the cement will be pumped from there to reach a height of 600 ft (top of cement will be approximately 5190 ft). We will wait on cement at least 24 hours before dressing off (see attached Halliburton Cementing Plan).

Based on discussions with Scientific Drilling we anticipate the cement can be adequately dressed off within 100 ft of the top, starting a kickoff point approximately 500 ft above the top of the fish and current depth. This will leave a competent cement plug in the Glorieta Dolomite approximately 500 feet thick (approximately 5300'-5800') From there they propose to turn the hole in a 225 degree (south westerly) direction with a dogleg severity of no more than 2 degrees per 100 feet. The hole will be returned to vertical with a lateral displacement of 21 feet from the original borehole. We will then follow a vertical path to an expected TD of 10,000 ft. Completion of the well will be as originally proposed in the APD (see attached Scientific Drilling directional plan)

Please let us know today if this plan meets with your approval as we hope to set cement plug later today.

Cementing Call for Services

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and the second		The Road to Exe	cellence Starts with Safet	Y STATES		
Sold To #: 3044	29	Ship To #: 2915495	Primary Sales Order #	£ 9466402		
Customer: PB E	ENERGY STORA	GE SERVICES INC	Job Purpose: Plug Se	ervice - Whipst	ock	
Well Name: Fro	ntier Maljamar /	AGI	Well #: 1	API/UWI #:	30-025-40420	
Field:		City: MALJAMAR	County/Parish: Lea		State/Prov: New Mexico	
Customer Rep:	Ardoin, Gerald	Mobile:432-400-2384			· · · · · · · · · · · · · · · · · · ·	
Ordered By: Arc	doin, Gerald M	Nobile:432-400-2384				
Contractor: Unit	ted Drilling;					
Rig/Platform Na	me/Num: United	Drilling 41			Location: Land	
Sales Person: C	OOPER, JAMES	S		Status: Job Sc	heduled	
	PPE, Sa	afety Huddles, JSA's, HOC	& Near Miss Reporting, I	BBP Observatio	ns have the second	
Distance/Mileag	e(1 way) Srvcs:	30.0 miles	Distance/Mileage(1 wa	ay) Mtls [.]	30.0 miles	
Call Taken By		LOUIS SOSA	Call Taken Date/Time			
Call Out Crew D	Date/Time:		Rqstd On Location Da	ite/Time:	25-Apr-2012 14:00 MST	
			Rqstd Job Start Date/	Time:	25-Apr-2012 15:00 MST	
		HSE	EInformation			
H2S Present	Unknown	<u></u>	CO2 Present:	Unknow		
0.11. O.1	Star Phillippin	14/2 0 5 6 - 4 - 14/2 - 2 0 - 2		UFO / OLAT	man Catath Dallatan	

Drive Safely: Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies. Directions:

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

Remarks

General: 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

4/25 THIS IS A READY NOW JOB. HAVE BULK PLANT LOAD CEMENT CATCH SAMPLE AND GET TO LAB NOW. DO NOT LEAVE THE YARD WITH CEMENT UNTIL WE HAVE BLESSING FROM LAB. LOUIS SOSA

4/25 HAVE BULK PLANT USE THE CEMENT THAT WAS LOADED FOR THE XTO NASH UNIT 50H. THEY WILL NEED TO REBLEND WITH AN ADDITIONAL .2% HALAD 322. LOUIS SOSA

			r m	Pumping Ec	uipment (Generic)	and a second			
Description	- P + M, - AP + P - M M		Qty	Comments	Description		Qty	Commen	
RCM PUMP	RCM PUMP TRUCK				PICK UP TRUCK		1		· · · · · · · · · · · · · · · · · · ·
BULK TRUCKS			1	BOOSTER PUMP		1		· · · · · · · · · · · · · · · · · · ·	
				Surface Eq	uipment (Generic)				శార్వి
Description				Comments	Description	Qty	Commen		
DRILL PIPE	DRILL PIPE PIN				LO-TORC VALVES 2'	1			
	A Martin Contraction	578-14-5		Jobili	fo / Well Data a mini		NU CONTRA	i dati si	
Job Depth (MD) ft	Job Depth (TVD) ft	Ma Pres: ps	sure	Well Fluid Type	Well Fluid Weight Ibm/gal	Displacement Fluid		Displ Fluid Weight Ibm/gal	
9000.0	5790.0								
	A A A A A A A A A A A A A A A A A A A			Job T	ubulars/Tools		177 - 177. 1894 - 187 - 18		

HALLIBURTON

Cementing Call for Services

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	7 5/8"	Pilot Hole			7.625			0.0	0 5	,790.0					0
		4 ×				Tie	on Cor	nectio	n				· · ·		-
Size:	4 1/2 ir	n Th	read: X-HOL	E (XH)		ī	Type: D	rill Pip	e		С	ross O	ver Red	quired: N	>
		<i>x</i>	-	,		,	Mater	ials		τ		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	,	s .
3	Stage/I	Plug #: 1													
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#	F 11	uid Name	Раска	age/SBIM	1/Material Name		' [Del Qty	lbm/gal	m/gal	ft3/sk	Gal/s	sk bbl/mi	n AddGal/sk	
1	Plug	Cement	Plug Cem	ent				200	sacks		16.8	1.02	3.95	5	3.95
	94	lbm	CMT - PR	EMIUM F	PLUS -	CLASS	C REG	OR TY	PE III, I	BULK (*	10001220	5) Pre	-Mix D	ry	
	0.1	7 %	HALAD(R)-322, 50	LB (10	000364	6) Pre-l	Mix Dry	,						
	3.95	5 Gal	FRESH W	ATER M	íx-On-F	ly to Si	urry								
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SA	P #		De	scription				Qty	Qty u	om	Supplier		Con	nments/ T	ech ID #
4000	08028														

Parsons Brinckerhoff

Lea County, NM (NAD83) AGI #1 AGI #1

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Plan: Plan #1

Standard Planning Report

25 April, 2012



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Scientific Drilling International, Inc.

Planning Report



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Database: Company:		legulatory s Brinckerhoff				ordinate Refer						
• •	ś	unty, NM (NAD	921		TVD Refe		•	GL @ 4016 00us				
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Nell:	AGI #1				Survey Ca	alculation Meth	100:	winimum Curvau	ule			
Nellbore:	OH						1					
Design:	Plan #1	2					11_					
Project	Lea Cou	inty, NM (NAD8	3)	· · · · · · · · · · · · · · · · · · ·		· · · · · ·			· · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Map System:	US State	Plane 1983			System Da	tum:	Me	ean Sea Level				
Geo Datum:	North Ame	erican Datum 19	983									
Map Zone:	New Mexi	ico Eastern Zon	e					<u> </u>	. <u> </u>	······		
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Design	Plan #1		a 1000 Many 75	n-totta alter a setterate a set u				and a second second				
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Measured		,	Vertical			Dogleg	Build	Turn				
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Scientific Drilling International, Inc.

Planning Report



Database:	EDM-Regulatory	Local Co-ordinate Reference:	Site AGI #1
Company:	Parsons Brinckerhoff	TVD Reference:	GL @ 4016 00usft (Original Well Elev)
Project:	Lea County, NM (NAD83)	MD Reference:	GL @ 4016 00usft (Original Well Elev)
Site:	AGI #1	North Reference:	Grid
Weil:	AGI #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	ОН	1	
Design:	Plan #1		
		ի միջեցնել, առաջնառը տասաննել ոչ է տարարարարարարարարարարարությունը հրետեցելու գուտարարում տեստանությունը երկրոր Ամեստան ընդում է ու պատճառը համանենները հայտարարարարարարարարությունը հայտներին արտանումը տեստանությունը հայտներ Ամեւ Հոնվել է պային հայտնը է ներ է ու բու է ու բու է հայ է հայտնել է ու ընդունը են այն հայտնել Ռեսենտանությունը	առատաստեղիները էինչպես ավելութերութերութերը, համանականութերութերիները էրացրերիներիները ապրիները էրացրացիները է Հուտապես Գերանությունը համանականութերիները է համանականությունը։ առավու հեյն պատաստես էրան անվանութերը պատաստես համանականությունը։ Անվանութերիները էրացրացին էրաննականությունը։

Measured	•.		Vertical			Vertical	Dogleg	Build	Turn
Depth (usft)	Inclination (°)	Azimuth (°)	Depth , (usft)	+N/-S (usft)	+E/-W (usft)	Section (usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)
5,300 00	0 00	0 00	5,300 00	0 00	0 00	0 00	0 00	0 00	. 0.00
5,400 00	2 00	225 00	5,399 98	-1 23	-1 23	1 75	2 00	2 00	0 00
5,450 00	3 00	225 00	5,449 93	-2 78	-2 78	3 93	2 00	2 00	0 00
5,500 00	3 00	225 00	5,499 86	-4 63	-4 63	6 54	0 00	0 00	0 00
5,600 00	3 00	225 00	5,599 73	-8 33	-8 33	11 78	0 00	0 00	0 00
5,700 00	3 00	225 00	5,699 59	-12 03	-12 03	17 01	0 00	0 00	0 00
5,800 00	1 13	225 00	5,799 52	-14 58	-14 58	20 61	1 87	-1 87	0 00
5,860 58	0 00	0 00	5,860 10	-15 00	-15 00	21 21	1 87	-1 87	0 00
5,900 00	0 00	0 00	5,899 52	-15 00	-15 00	21 21	0 00	0 00	0 00
6,000 00	0 00	0 00	5,999 52	-15 00	-15 00	21 21	0 00	0 00	0 00
6,100 00	0 00	0 00	6,099 52	-15 00	-15 00	21 21	0 00	0 00	0 00
6,100 48	0 00	0 00	6,100 00	-15 00	-15 00	21 21	0 00	0 00	0 00

Design Targets	inner seriennen in der er I Kens verse eine -	**************************************							
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - AGI #1 - plan hits target - Point	0 00 t center	0 00	6,100 00	-15 00	-15 00	660,036 14	714,779 89	32° 48′ 47 503 N	103° 46' 7 624 W

Parsons Brinckerhoff



G Т Μ

Azimuths to Grid Nort True North -0 31 Magnetic North 7 31

Magnetic Fiel

Strength 48859 Osn Dip Angle 60 68 Onvert a Magnetic Direction to a Grid Direction, Add 7 3 15/ale 04/25/201 convert a True Direction to a Grid Direction, Subtract 0 31/dode1 IGRF201

