

HOBBS COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0135
Expires January 31, 2004

MAY 02 2012

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.1 Type of Well
☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator **Frontier Field Services**3a Address
4200 Skelly Dr., St. 700, Tulsa OK 741353b Phone No. (include area code)
918-388-8408

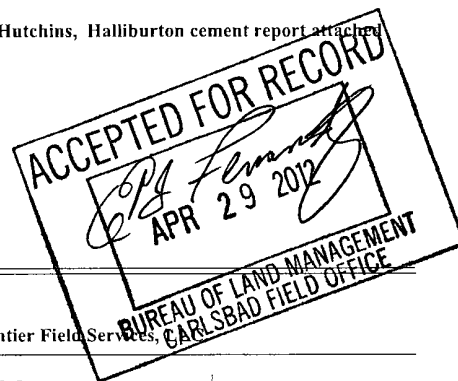
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**130' FSL, 1813' FEL Sec. 21, T 17 S, R 32 E, NMPM, Lea Co. NM
Acid Gas Injection Well, Unorthodox Location**5. Lease Serial No
LC 029509B6 If Indian, Allottee or Tribe Name
N/A7 If Unit or CA/Agreement, Name and/or No.
N/A8 Well Name and No.
Maljamar AGi #19 API Well No
30-025-4042010 Field and Pool, or Exploratory Area
Exploratory (Lower Wolfcamp)11 County or Parish, State
Lea

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Intermed casing inst.
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	cement and testing
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

- 13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A. 20:00 4/5/2012: Pick up and run 108 jts 8 5/8" J-55 32# csg to 4,230'**B. 3:00 4/6/2012: Rig up Halliburton, test lines @ 2,500 psi., notified Patricia Hutchins (BLM) 4/6/12 @ 1900****C. Pump 1650 sx of Extendacem (12.4 ppg, 2.4 yield, 705.7 bbls)****D. Pump 235 sx Halcem (14.8 ppg, 1.33 yield, 55.6 bbls)****E. Drop 8 5/8" plug, displace w/255 bbls water to displace cement****F. Plug bump @ 750 psi and pressure up to 500 psi over****G. 06:24 4/7/2012: Floats held, 200 bbls cmt returned to surface (468 sx), witnessed by Patricia Hutchins, Halliburton cement report attached****H. WOC, NU & test BOPs BOP Test reports attached****I. 4/9/2012: Test csg @ 850 psi for 30 min., good. Test chart attached.**14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Alberto A. Gutierrez, RG**Title **Consultant to Frontier Field Services**

Signature

Date **4/10/2012****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

PETROLEUM ENGINEER

Title

Date

MAY 03 2012

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAY 03 2012

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 304429	Ship To #: 2915495	Quote #:	Sales Order #: 9387031
Customer: PB ENERGY STORAGE SERVICES INC		Customer Rep: WALLEY, TERRY	
Well Name: Frontier Maljamar AGI	Well #: 1	API/UWI #: 30-025-40420	
Field:	City (SAP): MALJAMAR	County/Parish: Lea	State: New Mexico
Legal Description: Section 21 Township 17S Range 32E			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: United Drilling		Rig/Platform Name/Num: United Drilling 41	
Job Purpose: Cement Intermediate Casing		Ticket Amount:	
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: COOPER, JAMES		Srvc Supervisor: GONZALEZ, HEBER MBU ID Emp #: 305567	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/06/2012 14:00							
Pre-Convoy Safety Meeting	04/06/2012 16:00							
Depart from Service Center or Other Site	04/06/2012 16:50							
Arrive at Location from Service Center	04/06/2012 18:00							CASING CREW RUNNING CASING
Assessment Of Location Safety Meeting	04/06/2012 18:10							
Pre-Rig Up Safety Meeting	04/06/2012 18:20							
Rig-Up Equipment	04/06/2012 18:30							
Rig-Up Completed	04/06/2012 20:00							
Other	04/07/2012 02:25							LAST 235 SACKS OF TAIL CMT ARRIVE TO LOCATION
Pre-Job Safety Meeting	04/07/2012 02:30							
Start Job	04/07/2012 02:40							
Test Lines	04/07/2012 03:12		0.5	3		2500. 0		TEST HALLIBURTON LINE @ 2500 PSI
Pump Spacer	04/07/2012 03:19		4	20			180.0	PUMPED 20 BBLS OF GEL SPACER
Pump Lead Cement	04/07/2012 03:22		7	705.7			250.0	PUMPED 1650 SACXKS OF EXTENDACEM CMT @ 12.4 PPG, 2 4 YIELD, 14.04 H2O = 705.7 BBLS
Pump Tail Cement	04/07/2012 05:25		5	55.6			210.0	PUMPED 235 SACKS OF HALCEM CMT @ 14.8 PPG, 1.33 YIELD, 6.34 H2O = 55.6 BBLS

Sold To # : 304429

Ship To # : 2915495

Quote # :

Sales Order # :

9387031

SUMMIT Version. 7 3.0021

Saturday, April 07, 2012 06:58:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Plug	04/07/2012 05:41							DROP 8 5/8 HALLIBURTON PLUG
Pump Displacement	04/07/2012 05:42		7	255			530.0	PUMPED 255 BBLS OF H2O TO DISPLACED CMT
Bump Plug	04/07/2012 06:23		2	255			730.0	PLUG BUMP @ 730 PSI AND PRESSURE UP 500 PSI OVER
Check Floats	04/07/2012 06:24							FLOATS HELD AND 200 BBLS RETURN TO SURFACE = 468 SACKS
End Job	04/07/2012 06:30							THANK YOU HEBER AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	04/07/2012 06:40							
Rig-Down Equipment	04/07/2012 06:50							
Rig-Down Completed	04/07/2012 08:00							
Pre-Convoy Safety Meeting	04/07/2012 08:10							
Depart Location for Service Center or Other Site	04/07/2012 08:20							
Crew Return Yard	04/07/2012 08:40							

Sold To # : 304429

Ship To # : 2915495

Quote # .

Sales Order # : 9387031

SUMMIT Version: 7.3.0021

Saturday, April 07, 2012 06:58.00

HALLIBURTON

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Field:	City (SAP): MALJAMAR	County/Parish: Lea	State: New Mexico
Legal Description: Section 21 Township 17S Range 32E			
Contractor: United Drilling	Rig/Platform Name/Num: United Drilling 41		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: COOPER, JAMES	Srvc Supervisor: GONZALEZ, HEBER	MBU ID Emp #: 305567	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GONZALEZ, HEBER Perez	00	305567						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	4200. ft	BHST	Job Depth TVD	4200. ft	Water Depth	Wk Ht Above Floor	Perforation Depth (MD)	From	To

Job Times

Date	Time	Time Zone
Called Out		
On Location		
Job Started		
Job Completed	11 - Jan - 2012	02:00
Departed Loc		

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12-1/4" Hole Intermediate Casing	Unknown		8.625	7.921	32	LTC	J-55	850	4200		
Surface Casing	Unknown		13.375	12.715	48	STC	H-40	850			

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
ZI-CAR/PICKUP/LIGHT DUTY VEHICLE/MILEAGE	60	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	60	MI		
Circulating Iron Rental & Delivery, ZI	1	EA		
SUGAR, GRANULATED, IMPERIAL	200	LB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%

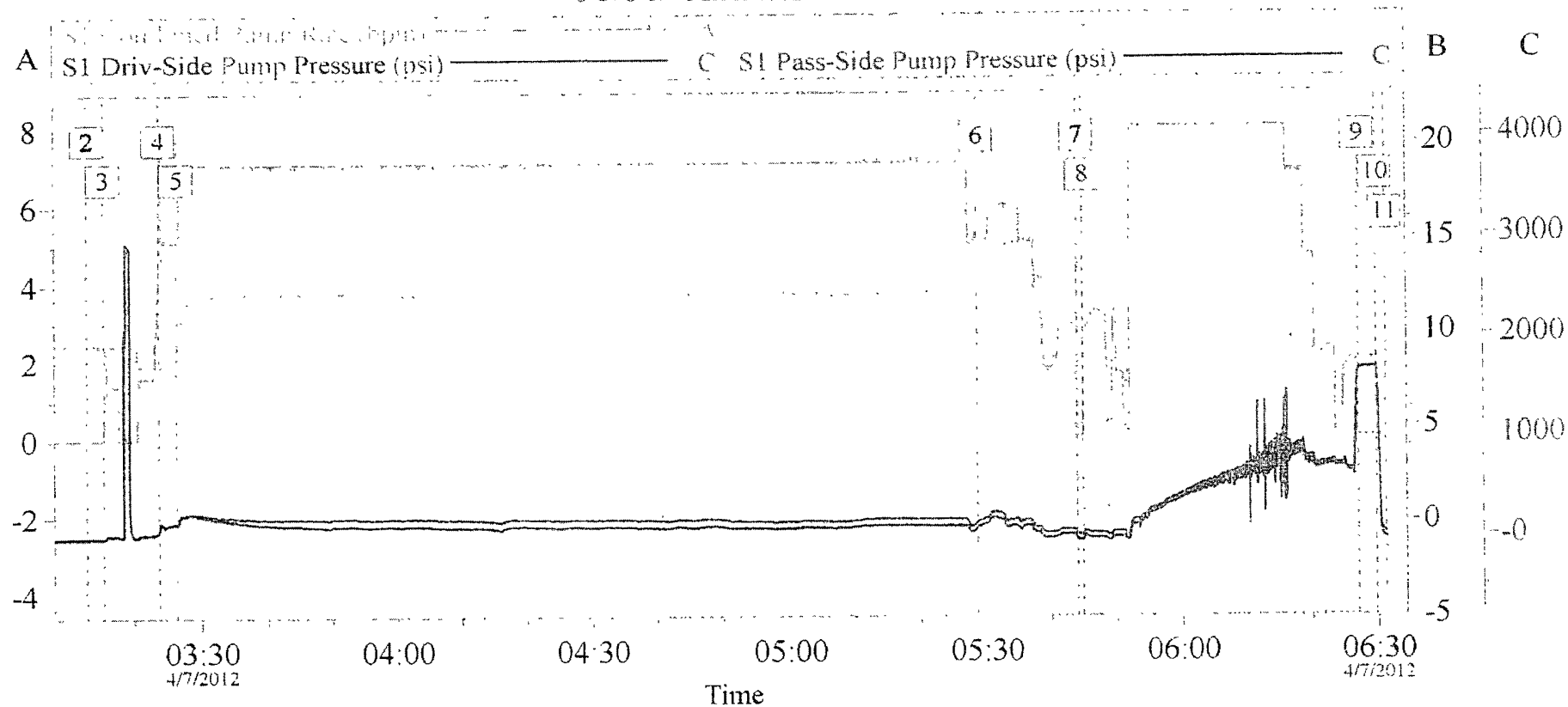
HALLIBURTON

Cementing Job Summary

Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty			
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Pump 20 bbl Gel Spacer		20.00	bbl	.	.0	.0	.0	
	2.5 lbm/bbl	WG-19, 50 LB BAG (100003638)							
2	ExtendaCem - C	EXTENDACEM (TM) SYSTEM (452981)	1650.0	sacks	12.05	2.4	14.06		14.06
	14.063 Gal	FRESH WATER							
	0.5 %	LAP-1 (100012766)							
	0.5 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	1 lbm	SALT, BULK (100003695)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	0.25 lbm	D-AIR 5000, 50 LB SACK (102068797)							
	0.2 %	HR-800, 50 LB SACK (101619742)							
3	HalCem - C	HALCEM (TM) SYSTEM (452986)	235.0	sacks	14.8	1.33	6.34		6.34
	6.336 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

PB ENERGY

8 5/8 INTERMEDIATE



Global Event Log

2	Start Job	03:13:07	3	Test Lines	03:15:30	4	Pump Spacer 1	03:23:39
5	Pump Lead Cement	03:26:20	6	Pump Tail Cement	05:28:43	7	Drop Top Plug	05:43:59
8	Pump Displacement	05:44:47	9	Bump Plug	06:27:04	10	Other	06:29:44
11	End Job	06:31:11						

Customer:

Well Description:

Job Date: 07-Apr-2012

UWI:

Sales Order #: 9387031

OptiCem v6.4.9
07-Apr-12 06:49



BOP TORQUE AND TEST LOG

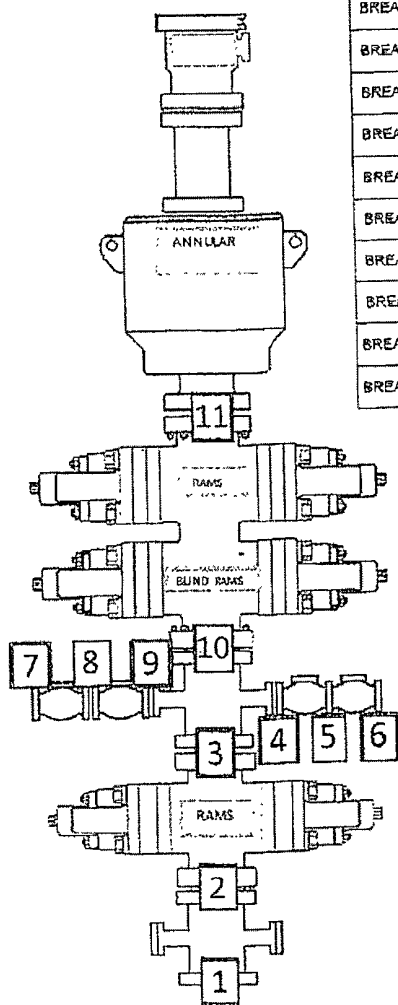
COM-OPE-FRM-37

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VERSION 1.0

PURPOSE
PROCEDURE

This form is used by Greene's Energy Group at all its locations to document BOP Torque and Test operations.
Complete form as indicated and file according to the requirements of SQP-4.2.4



BOP TORQUE ASSESSMENT					BOP PRESSURE ASSESSMENT		
BREAK	DESCRIPTION	TIME	PLbs	INITIALS	PSI LOW	PSI HIGH	INITIALS
BREAK #1					230	2000	J
BREAK #2					230	2000	J
BREAK #3					230	2000	J
BREAK #4					230	2000	J
BREAK #5					230	2000	J
BREAK #6					230	2000	J
BREAK #7					230	2000	J
BREAK #8					230	2000	J
BREAK #9					230	2000	J
BREAK #10					230	2000	J
BREAK #11					230	2000	J

CUSTOMER:

P.B. Energy

ORDER #:

39723

LEASEWELL:

Frontier AGT.

DRILLING CONT/RIG:

Wells 41

BOP SIZE:

11"

ADDITIONAL COMMENTS:

From Ram / broken / BOP / etc. were
checked. Found

RIG REPRESENTATIVE

DATE:

GREENE'S REPRESENTATIVE

DATE:

OPERATOR:

Jose Jara

DATE:

4/9/12

REFERENCE SQP-4.2.4 Control of Records
DISTRIBUTION None

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