

Radiation & Explosives Compliance
Schlumberger Technology Corporation
300 Schlumberger Dr., MD-121, Sugar Land, TX 77478

Schlumberger

RECEIVED

JUL - 9 2009

DNMS

July 8, 2009

United States Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-4125

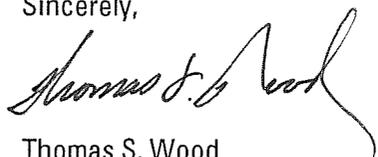
RE: Source Abandonment for BP Exploration (Alaska) Inc.: 18-29C

Dear Sir or Madam:

This letter is to confirm the abandonment of irretrievable logging sources in a well in accordance with Part 39, Section 39.77(d). Information for this abandonment is attached.

If you have any questions or require additional information, please contact me at 281-285-7460.

Sincerely,



Thomas S. Wood
Deputy Radiation Safety Officer
Schlumberger Technology Corporation

Source Abandonment – BP Exploration (Alaska) Inc.
Well: 18-29C

Date of Occurrence: June 30, 2009

Source #1

Identification: 10 Ci, Am241Be, Neutron Source, Serial # U023
Manufacturer: Gammatron, Inc.
Model: NSR-U
Depth: 15,670' MD'

Source #2

Identification: 1.7 Ci, Cs 137, Density Source, Serial # A3101
Manufacturer: QSA Global, Inc.
Model: CDC.CY3 (GSR-Z)
Depth: 15,672' MD

Well Identification: Company: BP Exploration (Alaska) Inc.
Well: 18-29C
API Number: 50-029-22316-03
Field: Prudhoe Bay EOA
County: North Slope Borough
State: Alaska

Seal Results: 100' of 15.8 ppg Class G cement with GasBlock was spotted in the annulus above the drill pipe from 15,548' to 15,448'. 108' of heavy weight drill pipe, collars, hydraulic jars and tool remain on top of the source(s) from 11,807' – 11,915' and will serve as a mechanical deflection device to prevent inadvertent intrusion on the sources.

Recovery Attempts: Multiple attempts from 6/23/09 to 6/30/09

Depth of Well: 15,918' MD (90.0° deviation)

Identification: Plaque as required by Part 39 ordered and will be attached to the well.

Reports: No other agency will receive a copy of this report.

Initial Telephone Contact: Mr. Chuck Cain, NRC Region IV on 06/26/09 @ 13:15 CDT.

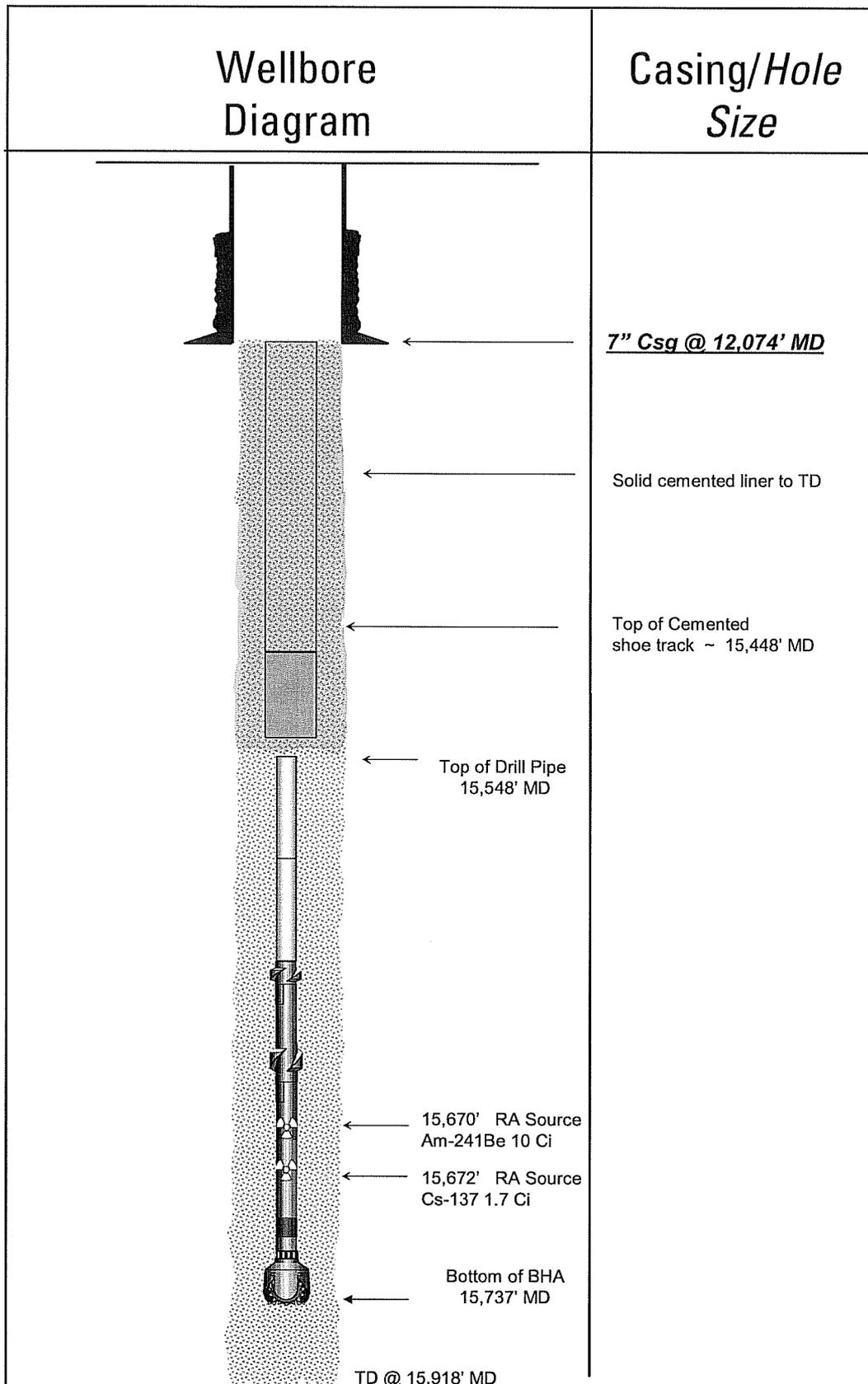
RADIATION FISHING & ABANDONMENT REPORT

<input type="checkbox"/> Offshore (OCS Waters)	<input checked="" type="checkbox"/> Land or State Lease Waters
Date: <u>July 7, 2009</u>	Time: <u>17:15 hrs</u>
Company Name (Full Name): <u>BP Exploration (Alaska) Inc.</u>	
Well Name or (OCS-G No. or State Lease No.): <u>18-29C</u>	
Offshore State of: <u>Alaska</u>	Rig Name: <u>Nabors 7ES</u>
API Number (If Available or CLSD): <u>50-029-22316-03</u>	Field Name: <u>Prudhoe Bay EOA</u>
Lease Location (legal): <u>3805 FSL 86 FEL S24 T11N R14E UM</u>	
County or Parish: <u>North Slope Borough</u>	State: <u>Alaska</u>
District: <u>Alask (AKA)</u>	Sales Engr: <u>Nate Rose</u>
TD: <u>15,918 ft MD</u>	Hole Size: <u>6.125 in.</u> Deviation: <u>90°</u>
Casing Depth: <u>12,074 ft MD</u>	Casing Size: <u>7 in.</u>
Depth of Fish (Top): <u>15,556 ft MD</u>	Bottom of Fish: <u>15745 ft MD</u>
Source Type (1): <u>Neutron</u>	Source Type (2): <u>Density (Gamma)</u>
Source Activity (1): <u>10 Ci (370 GBq)</u>	Source Activity (2): <u>1.7 Ci (68 GBq)</u>
Serial No. (1): <u>NSRU-0023</u>	Serial No. (2): <u>GSRZ-3101</u>
Isotope (1): <u>Am/Be 241</u>	Isotope (2): <u>Cs 137</u>
Depth (1): <u>15,670 ft MD</u>	Depth (2): <u>15,672 ft MD</u>
Leak Test Date (1): <u>March 6, 2009</u>	Leak Test Date (2): <u>March 6, 2009</u>
Leak Test Results (1): <u>Passed</u>	Leak Test Results (2): <u>Passed</u>
Tool String (Head to Bottom): <u>CCV Sub - 3 x NM Flex Drill Collar - ADN4 - Impulse - PowerDriveX5 - Bit</u>	
Date and Time Stuck: <u>16:20 hrs on June 23, 2009</u>	
Date and Time Cement Pumped: <u>18:30 hrs on June 30, 2009</u>	
Hole Conditions: <u>Hole drilled with PowerDrive X5 and appeared to be in good condition. The well was flowing for a portion of it, however, they weighted up to control it.</u>	
Fishing Attempts: <u>The BHA experienced a twist off just above the CCV (circ sub). The twist off was discovered at surface. Overshot assembly was made up and run in hole. 1st attempt failed with damage to the assembly suspected. Ran in with 2nd overshot, latched onto the fish but were unsuccessful at jarring it free. Decision made to abandon</u>	
Comments (what happened to get stuck?, etc.): <u>Made it to TD for the well. Circulated bottoms up and started to pull out of hole. Expereince a tight sopt that they could not pull through on just the elevators, so they started circulation and rotation to back ream out. They then noticed a drop in the standpipe pressure of 700 psi. They suspected that the CCV sub had washed or opened inadvertently, however, the failure was a twist off.</u>	

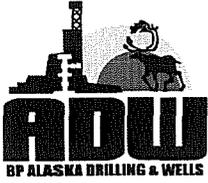
NOTE: Regulatory agencies should be contacted ONLY by the Schlumberger Technology Corporation (STC) Radiation Safety Officer or, if unavailable, his designee.

BP Exploration (Alaska) Inc.

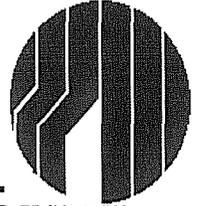
18-29C



Job # 40019133			Date In 22-Jun-09			Date Out			Hole Size 6 1/8		
Customer BP			Time In 2:30			Time Out			Hole Sect Production		
Well 18-29C			Depth In 13,576			Depth Out			Bha Type RSS		
Field PBU			TVD In 8,695			TVD Out			Hrs BRT		
Rig Nabors 7ES			Drig Hrs			Drig Ft			Avg ROP		
AFE # PBD4P2943			Slide Hrs			Slide Ft			Slide ROP		
DD's S. Levad / R. Dolfi			Rot Hrs			Rot Ft			Rot ROP		
Co. Men M. Dinger / R. O'Neal / B. Buzby			Pump Hrs			Rotate %			Slide %		
PDM Run #		R/S		PDM Jet		Incl In 90.00		Az In ???		Bit>Srvy 35.02	
PDM Ser#		Stages		Bearing		Incl Out		Az Out		T/F Corr	
PDM Size		Rev/Gal		Rubber		Avg Dls		Max Ds		Plan Dls 6.0	
Mud Type FloPro SF		Mud Wt 8.6		Sand %		RPM 140		GPM 260		SPP On	
BHT F		FV-PV-YP		Solids %		Dlg TQ		WOB		SPP Off	
Item	Description	Vendor	S/N	OD	ID	Stab OD In / Out	F.N. FN OD	Bottom Conn Top Conn	Length	Cum Length	
1	MSX513M-A1B Bit #7 RR	Hycalog	121843	6 1/8	3x11, 2x10 TFA=0.432			3 1/2 Reg Pin	0.65	0.65	
2	PowerDrive RSS *Ported Float	SLB	PD-56667-942 CU-942	4 3/4	Tool 22 Restrictor	6 1/8	2.47	3 1/2 Reg Box 3 1/2 IF Box	14.46	15.11	
3	Reciever	SLB	RCV - 56604	4 15/16x 5 1/2	Tool	Slick Sleeve		3 1/2 IF Pin 3 IF Pin	4.87	19.98	
4	PD Flex Sub	SLB	PDF-64216	4 5/8x4 15/16	Tool			3 IF Box 3 IF Pin	2.43	22.41	
5	Impulse MWD	SLB	296	4 3/4	Tool			3 IF Box 3 1/2 IF Pin	34.61	57.02	
6	ADN4 *RA Source	SLB	2281	4 3/4	Tool	5 7/8	19.27	3 1/2 IF Box 3 1/2 IF Box	25.12	82.14	
7	NM Flex DC	SLB	NMFC-EA-035	4 9/16x3 1/2	2 1/4		2.35	3 1/2 IF Pin 3 1/2 IF Box	30.84	112.98	
8	NM Flex DC	SLB	NMFC-EA-034	4 3/4x3 1/2	2 1/4		2.63	3 1/2 IF Pin 3 1/2 IF Box	31.00	143.98	
9	NM Flex DC *Corrosion Ring	SLB	NMFC-EA-028	4 3/4x3 1/2	2 1/4		2.55	3 1/2 IF Pin 3 1/2 IF Box	31.05	175.03	
10	CCV Ball Catcher	W/ford	6341M	4 3/4	1 5/8			3 1/2 IF Pin 3 1/2 IF Box	5.52	180.55	
11	CCV Circ Sub	W/ford	6066	4 3/4	1 5/8			3 1/2 IF Pin 3 1/2 IF Box	8.68	189.23	
12	15' Lead DC	SLB	STLC-EA-15001	4 3/4	2 1/4			3 1/2 IF Pin 3 1/2 IF Box	15.06	204.29	
13	Hyd Jars	Dailey	1400-1133	4 5/8	2 1/4		1.79	3 1/2 IF Pin HT 40 Box	30.12	234.41	
14	4" HWDP (1 Jnt.)	NAD	1HWDP4"	4	2 9/16			4 HT40 Pin 4 HT40 Box	30.16	264.57	
15	4" DP	NAD	DP4"	4	3 1/4			4 HT40 Pin 4 HT40 Box		264.57	
BHA and Run Objective		Geosteer to TD.				BHA Weight		Bit Data		Tool Hrs. In Hrs. Out	
BHA and Run Results						Dry Wt 11,095		IADC #		RSS	
						Wt Above Jars 896		Footage		Jars 62.7 62.7	
						Wt Below Jars 8,783		Hrs		Bit #7rr 0.0 0.0	
Why POOH / Comments						Buoy Wt 9,641		k Revs		0.0 0.0	
						Inclination 90		Grade			
Bit To		PDGR=6.0',PDInc=7.3',Res=29.8',GR=37.0',D&I=35.0',Dens=62.2',Nuet=65.3'				Buoy+Incl Wt 0		Comment			

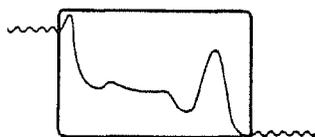


BPXA / NABORES 7ES
DS 18-29C
4.5" Production Liner



The 6 1/8 Hole was drilled to 15,918' MD. The 7" liner shoe is at 12,074' with 30° angle. The drilling BHA fish is at 15,548'

1. Rig up 4.5" 12.6# L-80 IBT-M Liner running equipment. **Hold PJSM.** Give Nabors casing crew 2 hours notice. Give the Baker hand 2 hours notice 659 2564.
2. Run 4.5" liner as per liner running tally. **NOTE:** The shoe tract is 120' therefore place the #4 joint on top of #2 and #3 (with landing collar on pin) on top of #4 to position the landing collar 120' from the shoe. Back out the collar of joint #4, clean and apply BakerLok, make back up and torque. Two centralizers will be run on each joint from joint 4 to 83 which is approximately 50' from the 7" casing shoe. The top centralizer and stop collar will be installed in the pipe shed and the second centralizer installed on the floor. Look out for hand placements when installing the second centralizer. See liner running detail for centralizer placement.
3. Pick up Baker Flex Lock liner hanger and ZXP liner top packer assembly with 'HRD' running tool with rotating dog sub. Pick up one Stand of 4" drill pipe.
 - Circulate one and a half liner volumes.
 - Record the up and down weights of the liner and one stand of DP.
 - Do not exceed 1,500 psi circulating pressure unless directed by WSL.
 - Use Best of Life 2000 thread compound
4. RIH with liner on 4" Drill pipe at 1 minute per stand to 7" shoe at 12,074'.
 - Watch displacement carefully and adjust running speed accordingly.
 - After picking up the liner hanger install the stripper rubber under the table.
 - Screw into every 10 stands and fill pipe while lowering it to the floor.
 - Slowly in and out of slips.
 - Circulate 1 bottoms up at 7" shoe prior to going into open hole. Stage pumps up to a max of 5 BPM if no losses are seen. Record rates and pressures at 40 and 50 SPM. Look out for gas on bottoms up.
 - Obtain up and down weights of liner before entering the open hole.
 - Give Schlumberger Cementers 3 hours notice 659 2487
5. Continue in the hole at 1 minute per stand. Monitor returns to trip tank for correct displacement. Note mud returns and adjust running speed as necessary if losses are noted. If hole conditions have been good, run last stand to proposed liner depth. (top of fish at 15,548') Pick up Baker Top Drive cementing head and put into the mouse hole, and connect the hose. **Have this all ready to go so as to minimize the down time.** Pick up one joint of drill pipe and put in the mouse hole, connect cementing head to single and Kelly up to cementing head with top drive.
 - Baker Rep. To be on the floor anytime circulation is required
6. Stage pump rates up to 5 BPM as hole allows. Circulate a minimum of one annular volume at the desired cementing rate of 5 BPM. Reciprocate string as per WSL during all circulating and cementing operations. Hold PJSM with cementer while conditioning mud and batch mix cement.
7. Cement liner as follows:
 - Shut down rig pumps from circulating through the cementing hose. Open valve to the cementers
 - Pump 10 bbl MudPush II at 12.0 ppg from the cementing unit to fill and warm up lines.
 - Close the lower TIW and pressure test the rig and cementing lines to 4500 psi.
 - Bleed off pressure and open the Lower TIW.
 - Pump remaining 20 bbl Mud Push II. Batch Mix and pump 92 bbl (438 sx) of 15.8 ppg class "G" with Gas-block additive at 5 BPM.
 - After pumping cement shut down Schlumberger pumps. Isolate Schlumberger from the rig by closing a valve at the unit.
 - Connect a short hose to the blow down line and run it over to the rotary and secure it to the drill pipe.
 - Floor hand goes up to the TD cementing head. Closes the lower TIW, open the top TIW. Open wash up line at rig floor on manifold.
 - Pump mud with the rig pumps down top drive through the cementing hose taking returns to the short blow down hose to the rotary table. When cement is clear of the lines and clean mud returns stop pumping. Blow down top drive with air.
 - Floor hand closes the upper TIW, open the lower TIW, drop the pipe wiper dart. Close the bleeder line at the floor.
 - Displace dart with rig pump with 256 bbl 9.0 ppg drilling mud at 5 BPM. See CADE pumping schedule.
 - While displacing with the rig pump open up to the cementing unit and pump lines clear of cement with water to the rig floor through the blow down line. Blow air back to cementers to clear lines of water. Leave cementing unit hooked up as back up for setting hanger.
 - Continue displacing with rig pump. Slow down displacing to 2 BPM to latch wiper at 122 bbl (2114 stks). Displace to bump plug at 256 stks total with 2,500 PSI or as directed by Baker rep. Slack off to confirm hanger



Monitoring Services

P.O. BOX 266677. HOUSTON, TEXAS 77207 . AREA CODE 713/478-6820 . FAX 281/532-0929

SEALED SOURCE LEAK TEST CERTIFICATE

RSO
SCHLUMBERGER 1014
POUCH 340130

Customer#: 1657

Prudhoe Bay

AK
99734

Source #: 39618

Account #: 1654

RADIONUCLIDE: CS-137

ACTIVITY: 1.7

CI

SERIAL NO: A3101

WIPE DATE: 3/06/2009

SOURCE CODE: GSRZ

EFFICENCY: 0.95

NET CPM: 10

GROSS CPM: 32

BKG CPM: 22

NET CPM

=MICROCURIE

EFF X 2.22x10⁶ DPM/u CI

THE ABOVE SOURCE WIPE TEST HAS BEEN ASSAYED IN ACCORDANCE WITH OUR RADIOACTIVE MATERIAL LICENSE AND THE APPROPRIATE REGULATORY REQUIREMENTS. THE REGULATIONS DEFINE A LEAKING SOURCE AS ONE FROM WHICH AN APPROPRIATE WIPE TEST HAS REMOVED 0.005 (5.0x10E-3) MICROCUIRE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS: 4.742E-006

MICROCURIE

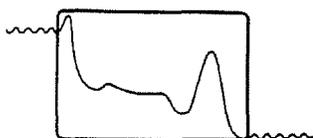
1.754E-001

Bq

ASSAY NO: 4/18/2009 55

DATE: 4/18/2009

ASSAYED BY:



Monitoring Services

P.O. BOX 266677. HOUSTON, TEXAS 77207 .AREA CODE 713/478-6820 . FAX 281/532-0929

SEALED SOURCE LEAK TEST CERTIFICATE

RSO
SCHLUMBERGER 1014
POUCH 340130

Customer#: 1657

Prudhoe Bay

AK
99734

Source #: 39617

Account #: 1654

RADIONUCLIDE: AM241BE

ACTIVITY: 10
WIPE DATE: 3/06/2009
EFFICENCY: 1.32
GROSS CPM: 44

CI

SERIAL NO: U023
SOURCE CODE: NSRU
NET CPM: 22

BKG CPM: 22

NET CPM

=MICROCURIE

EFF X 2.22x10⁶ DPM/u CI

THE ABOVE SOURCE WIPE TEST HAS BEEN ASSAYED IN ACCORDANCE WITH OUR RADIOACTIVE MATERIAL LICENSE AND THE APPROPRIATE REGULATORY REQUIREMENTS. THE REGULATIONS DEFINE A LEAKING SOURCE AS ONE FROM WHICH AN APPROPRIATE WIPE TEST HAS REMOVED 0.005 (5.0x10E-3) MICROCURIE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY
WAS: 7.508E-006

MICROCURIE

2.778E-001

Bq

ASSAY NO: 4/18/2009 54

DATE: 4/18/2009

ASSAYED BY:

Schlumberger Technology Corporation
Radiation/Explosive Compliance

300 Schlumberger Drive, MD-121
Sugar Land, Texas 77478
Tel 281-285-7460
Fax 281-285-8526

Schlumberger

Fax

Date: July 8, 2009

To: Ernie Jilek

Fax: 985-727-2165

From: Tom Wood

Tel: 281-285-7460

Fax: 281-285-0229

Subject: Abandonment Plaque

Pages: 2 (including cover)

Ernie,

Request for abandonment plaque for **BP Exploration (Alaska)**, well information follows.

Regards,


Tom

This transmission is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged and confidential. If you are not the intended recipient, you are hereby notified that any disclosure, distribution or copying of this information is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone and return the original documents to us at the address above via the United States Postal Services.

Schlumberger Technology Corporation
Radiation Safety & Compliance

300 Schlumberger Drive, MD-121
Sugar Land, Texas 77478
Tel 281-285-7460
Fax 281-285-8526

Schlumberger

Graphics N' Metal
1200 Clausel Street
Mandenville, LA. 70448
(504) 669-6082
(985) 727-2165 (Fax)

July 8, 2009

Attn: Ernie Jilek,

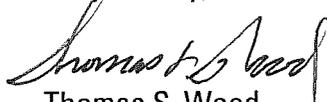
Please construct the standard abandonment plaque with the following information:

Company: BP Exploration (Alaska) Inc.
Well Name: 18-29C
Field: Prudhoe Bay EOA
County: North Slope Borough
State: Alaska
API#: 50-029-22316-03
Date of Abandonment: June 30, 2009
Well Depth: 15,918' MD
Plug Back: 15,448' MD
Top of Fish: 15,556' MD
Sources Abandoned: 370 GBq, Am-241Be, Neutron Source @ 15,670' MD
63 GBq, Cs-137, Density Source @ 15,672' MD

Special Instructions: DO NOT RE-ENTER THIS WELL BEFORE CONTACTING
REGION IV OF THE NUCLEAR REGULATORY COMMISSION
OR SCHLUMBERGER TECHNOLOGY CORPORATION

Please forward to me the completed plaque and invoice.

Respectfully,



Thomas S. Wood
Deputy Radiation Safety Officer
Schlumberger Technology Corporation

MEMORY TRANSMISSION REPORT

TIME : 07-08-'09 09:37
FAX NO.1 : 281-285-8526
NAME : Schlumberger

FILE NO. : 501
DATE : 07.08 09:35
TO : 8 919857272165
DOCUMENT PAGES : 2
START TIME : 07.08 09:35
END TIME : 07.08 09:37
PAGES SENT : 2
STATUS : OK

*** SUCCESSFUL TX NOTICE ***

Schlumberger Technology Corporation
Radiation/Explosive Compliance

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Sugar Land, Texas 77478
Tel 281-285-7460
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