

SUBMIT: ORIGINAL,  
ONE COPY, AND ONE  
PUBLIC INFORMATION  
COPY.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE

OMB Approval No. 1010-0077  
Expires: OCTOBER 31, 1994

NOTICE OF INTENT/REPORT OF WELL ABANDONMENT

1. FIELD NAME Wildcat		2. MMS LEASE, UNIT OR COMM. NO. (6) Y 0866 0		3. MMS OPERATOR NUMBER (5) 635		
4. OPERATOR WELL NUMBER (7) 3	5. DATE (RE)COMPLETED (6) YYMMDD 93-10-05	6. API NUMBER (10 OR 12) STATE (2) COUNTY (3) SEQUENCE (5) TRACK (2) 55 171 00010		7. COMPLETION CODE (3)		
7. OPERATOR NAME AND ADDRESS (SUBMITTING OFFICE) ARCO Alaska, Inc. PO Box 100360 Anchorage, Ak 99510-0360		8. WELL TYPE (1) E		9. DATE SPUDDED (6) YYMMDD 93/99		
11. FINAL LOCATION OF WELL (12) Surface: 7743' FWL, 9643' FSL of Block 673 Production zone: NA Total depth: NA		12. OPERATING AREA CODE (2) FI		13. BLOCK NUMBER (6) 673		
15. OPERATOR LEASE UNIT OR COMMUNITIZATION NAME Kuvium		16. NOTICE OF INTENT SUBMITTAL SUBSEQUENT REPORT <input checked="" type="checkbox"/>		17. TYPE OF ABANDONMENT TEMPORARY <input type="checkbox"/> PERMANENT <input checked="" type="checkbox"/>		
18. DATE TD REACHED (6) YYMMDD 93/09/28	19. TOTAL DEPTH (5) MD 8000' TVD 8000'	20. PLUG BACK DEPTH (5) MD 233' TVD 233'		21. DATE ABANDONED (6) YYMMDD PROPOSED <input type="checkbox"/> 93/10/05 COMPLETED <input checked="" type="checkbox"/>		
22. ELECTRIC AND OTHER LOGS RUN (MAY BE OMITTED IF PREVIOUSLY SUBMITTED) AIT Sonic, GR, SP, LDT, CNL, NGT, Microlog, FMI, PERCUSSION SWC, RFT, VSP						
23. CASING RECORD (Report all strings unless previously submitted)						
HOLE SIZE (4)	CASING SIZE (4), LB/FT (5) & GRADE	SETTING DEPTH MD (5) TVD (5)		QUANTITY OF CEMENT (CU. FT./TYPE)		
26"	30" 457 X-52	308' 308'		30" casing drilled in place		
26"	20" 133 X-56	1023' 1023'		3790 cu. ft. Arctic Set I		
17.5"	13-3/8" 68 L-80	3681' 3681'		1729 cu. ft. Class G w/ 2% gel, 449 cu. ft. Class G		
CASING PULLED						
CASING SIZE (4)	SHOT/CUT AT		PULLED FROM		DEPTH SET MD (5)	DESCRIPTION
	MD (5)	TVD (5)	MD(5)	TVD (5)		
					400' RKB	13-3/8" EZSV bridge plug
					3625' RKB	13-3/8" EZSV retainer
JUNK IN HOLE						
DESCRIPTION					FROM	TO
PLUGGING RECORD						
DEPTH INTERVAL MD (5)		AMOUNT, SLURRY COMPOSITION, AND METHOD OF PLACEMENT				
6176'-6500'		264 cu ft Class G, open hole balanced plug				
3500'-3822'		163 cu ft Class G cement below retainer @ 3625' and 105 cu ft cement above retainer				
223'-400'		140 cu ft Arctic Set I above retainer @ 400' RKB				

Form MMS-332 (November 1991)  
(Supersedes Form MMS-332 (July 1988)  
which will not used)

CONTINUED ON REVERSE  
COMPLETE REVERSE SIDE, SIGN, AND DATE

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

RECEIVED  
OCS DISTRICT OFFICE  
OCT 06 1993

## 24. PRODUCTION HISTORY (Development wells only)

DATE LAST PROD (4) YYMM	WELL STATUS	PROD. FOR LAST PERIOD	OIL-BBL (6)	GAS-MCF (6)	WATER-BBL (6)	GAS/OIL RATIO (6)	SHUT-IN TUBING PRESSURE (5)
NA							

ALL PERFORATED INTERVALS CURRENTLY OPEN (5)

## REASON FOR ABANDONMENT (include supportive well logs and test data):

NA

## SITE CLEARANCE

DATE (6) YYMMDD 10/5/93

## EXTENT OF

SITE SEARCH 65' radius 1/ well

## SITE CLEARED BY

Divers performed visual inspection

## SUMMARY OF POROUS ZONES:

SHOW ALL ZONES CONTAINING HYDROCARBONS; ALL CORED INTERVALS; AND ALL DRILL STEM TESTS, INCLUDING DEPTH AND INTERVAL TESTED, CUSHION USE, TIME TOOL WAS OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.
	MD (5)	TVD (5)	MD (5)	TVD (5)	
Sagavanirktok	6330'	6330'	6375'	6375'	Quartzose with some chert and other sedimentary lithic grains, medium to light gray, siltstone to very fine grained sandstone, finely laminated, subangular grains, moderately to poorly sorted, locally silty or muddy, weak oil stain.

RECEIVED  
MMS DISTRICT OFFICE

OCT 06 1993

GEOLOGIC MARKERS NAME	TOP		NAME	TOP	
	MD (5)	TVD (5)		MD (5)	TVD (5)
Sagavanirktok	surface	surface			
Sagavanirktok	8000'	8000'			

MMS DISTRICT OFFICE  
ANCHORAGE, ALASKA

Paleontological Data not available yet - anticipate MCI data in 2-4 weeks time.

## WARNING:

PUBLIC LAW 97-451 provides civil and criminal penalties for false or inaccurate reporting. Failure to report as required under the terms of the lease permit, or contract may result in suspension of operations or other enforcement actions.

## CONTACT NAME (First, MI, Last)

Tim A. Billingsley

## PHONE NUMBER (10)

907-265-6575

## EXTENSION NUMBER (4)

XXXX

## AUTHORIZING NAME (First, MI, Last)

Michael B. Wintree

## TITLE

Area Drilling Engineer

## AUTHORIZING SIGNATURE

DATE YYMMDD (6)

93-10-01

(This space is for Federal office use)

## CONDITIONS OF APPROVAL FOR SPECIAL CIRCUMSTANCES:

ARE ATTACHED ☐ NONE ☐☒ APPROVED BY☐ ACCEPTED BY

TITLE

DATE (6)

931005

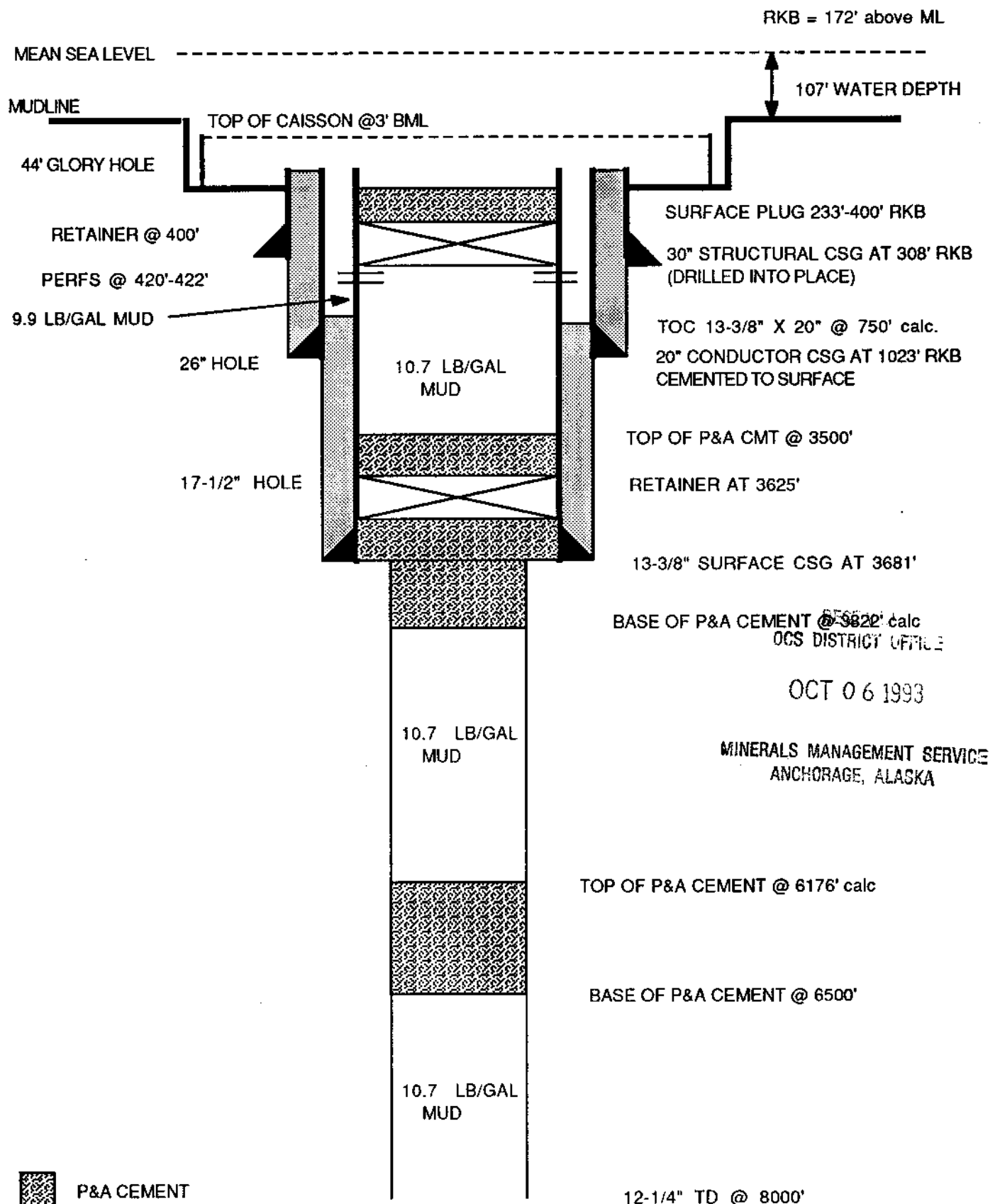
## PAPERWORK REDUCTION ACT STATEMENT

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that: This information is being collected to obtain knowledge of the equipment, materials, and procedures to be used during well abandonment operations. This information will be used by MMS District Supervisors to evaluate and approve or disapprove the adequacy of the equipment, materials, and/or procedures which the lessee plans to use during the conduct of well-abandonment operations including temporary abandonments. Response to this request is mandatory (43 U.S.C. 1334).

Public reporting burden for this form is estimated to average 1/2 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 2300, Minerals Management Service, 361 Eldon Street, Herndon, VA 22070-4817; and Office of Management and Budget, Paperwork Reduction Project (OMB No. 1010-0077), Washington, DC 20503.

# KUVLUM #3

ACTUAL P&A STATUS OF EXPLORATION WELL



OCT 06 1993

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

RECEIVED  
OCS DISTRICT OFFICE

OCT 06 1993

## Kuvlum #3 P&A Procedure

### General Information

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

**Geometry:** Mudline @ 172' RKB  
30" @ 308' RKB  
20" @ 1023' RKB  
13-3/8" @ 3681' RKB  
12-1/4" hole at 8000'

Hydrocarbon Zone :  
6330'-6375'

1. Completed logging runs, RIH with drill pipe to 6850'.
2. Spotted a balanced 50 bbl viscous pill (10.7 ppg) from 6850' to 6500'.
3. Placed a balanced 15.8 ppg 226 sx (264 cu ft or 47 bbl) cement plug on top of viscous mud pill from 6500'-6177'. Preliminary Dowell pill formula is:

226 sx Class G  
.5% D-800 retarder

Yield= 1.17 cu. ft./sk

4. POH with open ended drill pipe.
5. Set EZSV retainer at 3625' RKB with 13-3/8" shoe @ 3681'.
6. Mixed and pumped 227 sx (268 cu ft or 48 bbl) Class G cement.

227 sx Class G  
.05 G/sk D-47 anti-foam  
2% CaCl<sub>2</sub>

Yield= 1.18 cu. ft./sk

7. Pump 29 bbl (163 cu ft) cement below retainer.
8. Unstung from retainer and placed 19 bbl (105 cu ft) of cement on top of retainer. Top of cement at 3500'.
9. POH with drill pipe.
10. Shot holes in 13-3/8" 68# L-80 casing at 420-452'.
11. POH with wireline. Closed blind rams and pressure tested 13-3/8" x 20" annulus to 500 psi via perforation holes. Held OK.

12. RIH with EZSV bridge plug on drill pipe and set at 400'.

13. Placed balanced cement plug of 151 sx (25 bbl or 140 cu ft) Arctic Set I from 400' to 233' RKB. (Mudline @ 172' RKB)

151 sx (25 bbls) Arctic Set I @ 15.8 ppg  
.15% D-13

Yield= 0.93cu. ft./sk

14. POH and disconnected from well and prepared to move. Left wellhead on Kuvlum #3. A waiver has been verbally granted to leave the top of caisson at 3' BML.

15. Performed diver search on Kuvlum #3 wellbore for site clearance on 10/5/93.

TAB 10/6/93

RECEIVED  
OCS DISTRICT OFFICE

OCT 06 1993

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

SEP 16 1993

OMB APPROVAL NO. 1010-0045

EXPIRES: OCTOBER 31, 1991

SUBMIT: Original,

two copies, and one public  
information copy.

Minerals Management Service  
Anchorage, Alaska

**SUNDRY NOTICES AND REPORTS ON WELLS**

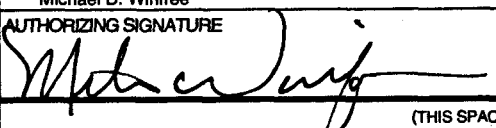
1. FIELD NAME Wildcat			2. MMS LEASE, UNIT OR COMM. NO. (6) Y 0866 0		3. MMS OPERATOR NUMBER (5) 0635														
4. OPERATOR WELL NUMBER (6) 3		5. API NUMBER (10) or (12) STATE (2) COUNTY (3) WELL CODE (5) 55 171 00010		6. TYPE WELL (1) E		7. CORRECTED ELEVATION (5) -172' (ML-RKB)													
8. OPERATOR NAME AND ADDRESS (SUBMITTING OFFICE) ARCO Alaska, Inc. PO Box 100360 Anchorage, AK 99510-0360				9. CURRENT WELL DEPTH (5) MD 1805' TVD 1805'		10. CORRECTED WATER DEPTH (5) 107'													
				LEAVE BLANK															
11. CORRECTED LOCATION OF WELL (12)  Surface: 7743' FWL and 9643' FSL of Block 673 Production zone: NA Total depth: NA				12. OPERATING AREA CODE (2) FI		13. BLOCK NUMBER (6) 0673													
				14. MAP OR OFFICIAL PROTRACTION DIAGRAM NUMBER (7) NR 6-4, Flaxman Island															
15. OPERATOR LEASE, UNIT OR COMMUNITIZATION NAME Kuvlum				16. RIG/PLATFORM NAME BeauDril - Kulluk		17. RIG TYPE (2) SS													
18. WELL STATUS, e.g., shut-in, drilling, etc. Drilling		19. LAST CASING STRING: size, lb/ft, grade, and setting depth (MD) 20", 133#/ft, X-56 @ 1022'			20. APPROXIMATE START DATE (6) YYMMDD 93 08 30														
21. PRESENT PRODUCTION ZONE, IF ANY, AND PRODUCTIVE CAPABILITY NA																			
22. CHECK APPROPRIATE ACTIVITY:		<table style="width:100%; border: none;"> <tr> <td style="width:33%;">Fracture/acidize <input type="checkbox"/></td> <td style="width:33%;">Artificial Lift <input type="checkbox"/></td> <td style="width:33%;">Other <input checked="" type="checkbox"/></td> </tr> <tr> <td>Pull or alter casing <input type="checkbox"/></td> <td>Repair well <input type="checkbox"/></td> <td>Perforate <input type="checkbox"/></td> </tr> <tr> <td>Sidetrack <input type="checkbox"/></td> <td>Deepen <input type="checkbox"/></td> <td>Plug back <input type="checkbox"/></td> </tr> <tr> <td>Reenter to complete <input type="checkbox"/>*</td> <td>Multiple complete <input type="checkbox"/>*</td> <td>Recomplete <input type="checkbox"/>*</td> </tr> </table> <p>Note: Submit a separate Well (Re) Completion Report and a subsequent report of operations on this form for each completion. Alternatively, submit a Well (Re) Completion Report for each completion with a narrative as in item 23 of this form.</p>						Fracture/acidize <input type="checkbox"/>	Artificial Lift <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	Pull or alter casing <input type="checkbox"/>	Repair well <input type="checkbox"/>	Perforate <input type="checkbox"/>	Sidetrack <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug back <input type="checkbox"/>	Reenter to complete <input type="checkbox"/> *	Multiple complete <input type="checkbox"/> *	Recomplete <input type="checkbox"/> *
Fracture/acidize <input type="checkbox"/>	Artificial Lift <input type="checkbox"/>	Other <input checked="" type="checkbox"/>																	
Pull or alter casing <input type="checkbox"/>	Repair well <input type="checkbox"/>	Perforate <input type="checkbox"/>																	
Sidetrack <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug back <input type="checkbox"/>																	
Reenter to complete <input type="checkbox"/> *	Multiple complete <input type="checkbox"/> *	Recomplete <input type="checkbox"/> *																	
23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details in this space and on the reverse, and/or on an attachment, and give pertinent dates, including estimated date for starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work. <div style="margin-top: 10px;"> <p>1 Actual water depth for Kuvlum #3 location = 107', RKB to ML = 172'</p> <p>2 Actual location for Kuvlum #3: Lat = 70° 19' 36.78" Long = 145° 24' 14.67" 7743' FWL, 9643' FSL of Block 673, NR6-4 Final well location plat attached</p> <p>3 Well was spudded 06:00 hrs 9/9/93.</p> <p>4 30" structural casing installation was completed at 23:00 9/9/93. 30" casing detail attached.</p> <p>5 20" conductor casing installed 9/11/93. CIP @ 13:50 9/11/93. Casing was cemented with 4076 sx (3750 cu ft) of Arctic Set I @ 15.7 ppg with 0.6% D-13. Cement was pumped through a drill pipe inner string. Cement returns to glory hole were confirmed by airlift samples to surface. Casing shoe would not pressure test and shoe was successfully squeezed with 500 sx (466 cu ft) of Arctic Set I @ 15.7 ppg. 20" casing detail attached.</p> <p>6 A formation "Leak off Test" was performed after drilling 10' of new formation below the 20" casing. A 14.3 ppg EMW test was obtained. Details of LOT are attached.</p> <p>7 Top of caisson is 3' below mudline. Waiver was verbally granted by Mr. Brian Schoof on 9/9/93 to allow caisson to remain at this depth during P&amp;A operations.</p> </div>																			

## 23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (continued from page 1)

SUBSURFACE SAFETY VALVE: SUBSURFACE CONTROLLED ☐ SURFACE CONTROLLED ☐ SET AT DEPTH OF \_\_\_\_\_

MANUFACTURER: \_\_\_\_\_ MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

WARNING: PUBLIC LAW 97-451 provides civil and criminal penalties for false or inaccurate reporting. Failure to report as required under the terms of the lease, permit, or contract may result in suspension of operations or other enforcement actions.


CONTACT NAME (First, MI, Last)	PHONE NUMBER (10)	EXTENSION NUMBER (4)
Tim Billingsley	(907) 265-6575	
AUTHORIZING NAME (First, MI, Last)	TITLE	
Michael B. Winfree	New Ventures Area Drilling Engineer	
AUTHORIZING SIGNATURE	DATE YYMMDD (6)	
	93 09 28	

(THIS SPACE IS FOR FEDERAL OFFICE USE)

CONDITIONS OF APPROVAL FOR SPECIAL CIRCUMSTANCES:

ARE ATTACHED ☐NONE ☐DATE (6)  
YYMMDD☒ APPROVED BY:☐ ACCEPTED BY:

TITLE

  
District Supervisor 93/9/28

## PAPERWORK REDUCTION ACT STATEMENT

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that: This information is being collected to obtain knowledge of the equipment and procedures to be used during well-completion, workover, and production operations. This information will be used by the District Supervisor to evaluate and approve or disapprove the adequacy of the equipment and procedures to safely perform the proposed operations. Response to this request is mandatory (43 U.S.C. 1334).

Public reporting burden for this form is estimated to average 1/2 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 631, Minerals Management Service, 12203 Sunrise Valley Drive, Reston, VA 22091; and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Public Information

**SUNDRY NOTICES AND REPORTS ON WELLS**

1. FIELD NAME <div style="text-align: center;">Wildcat</div>		2. MMS LEASE, UNIT OR COMM. NO. (6) <div style="text-align: center;">Y 0866 0</div>		3. MMS OPERATOR NUMBER (5) <div style="text-align: center;">0635</div>	
4. OPERATOR WELL NUMBER (6) <div style="text-align: center;">3</div>	5. API NUMBER (10) or (12) STATE (2) COUNTY (3) WELL CODE (5) <div style="text-align: center;">55 171 00010</div>		SIDE TRACK(2) <div style="text-align: center;">NA</div>	COMPLETION CODE (3) <div style="text-align: center;">E</div>	6. TYPE WELL (1) <div style="text-align: center;">E</div>
7. CORRECTED ELEVATION (5) <div style="text-align: center;">-172' (ML-RKB)</div>			8. OPERATOR NAME AND ADDRESS (SUBMITTING OFFICE) ARCO Alaska, Inc. PO Box 100360 Anchorage, AK 99510-0360		
9. CURRENT WELL DEPTH (5) MD 3681' TVD 3681' LEAVE BLANK			10. CORRECTED WATER DEPTH (5) <div style="text-align: center;">107'</div>		
11. CORRECTED LOCATION OF WELL (12)  Surface: 7743' FWL and 9643' FSL of Block 673 Production zone: NA Total depth: NA			12. OPERATING AREA CODE (2) <div style="text-align: center;">FI</div>		13. BLOCK NUMBER (6) <div style="text-align: center;">0673</div>
14. MAP OR OFFICIAL PROTRACTION DIAGRAM NUMBER (7) <div style="text-align: center;">NR 6-4, Flaxman Island</div>			15. OPERATOR LEASE, UNIT OR COMMUNITIZATION NAME <div style="text-align: center;">Kuvlum</div>		
16. RIG/PLATFORM NAME <div style="text-align: center;">BeauDri - Kulluk</div>			17. RIG TYPE (2) <div style="text-align: center;">SS</div>		
18. WELL STATUS, e.g., shut-in, drilling, etc. <div style="text-align: center;">Drilling</div>		19. LAST CASING STRING: size, lb/ft, grade, and setting depth (MD) <div style="text-align: center;">13-3/8", 68#, L-80, BTC @ 3681'</div>		20. APPROXIMATE START DATE (6) YYMMDD <div style="text-align: center;">93 08 30</div>	
21. PRESENT PRODUCTION ZONE, IF ANY, AND PRODUCTIVE CAPABILITY <div style="text-align: center;">NA</div>					
22. CHECK APPROPRIATE ACTIVITY:					
Fracture/acidize <input type="checkbox"/>		Artificial Lift <input type="checkbox"/>		Other <input checked="" type="checkbox"/>	
Pull or alter casing <input type="checkbox"/>		Repair well <input type="checkbox"/>		Perforate <input type="checkbox"/>	
Sidetrack <input type="checkbox"/>		Deepen <input type="checkbox"/>		Plug back <input type="checkbox"/>	
Reenter to complete <input type="checkbox"/>		Multiple complete <input type="checkbox"/>		Recomplete <input type="checkbox"/>	
Data correction <input type="checkbox"/>					
Change plans <input type="checkbox"/>					
Request approval <input type="checkbox"/>					
Subsequent report <input checked="" type="checkbox"/>					
<p>Note: Submit a separate Well (Re) Completion Report and a subsequent report of operations on this form for each completion. Alternatively, submit a Well (Re) Completion Report for each completion with a narrative as in item 23 of this form.</p>					
23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details in this space and on the reverse, and/or on an attachment, and give pertinent dates, including estimated date for starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)					

Received  
OCS District Office



# Kuvlum #3 Leak-off Test Calculation

WELL: Kuvlum #3

DATE/TIME: 9/23/93 1900 Hrs

SUPERVISOR: T.B.Campbell

RIG: KULLUK

MUD WEIGHT = 9.8 ppg = MW

TRUE VERTICAL DEPTH = 3715 FEET = TVD

Hydrostatic Pressure @ 13-3/8" Shoe =  $0.052 \times \text{TVD} \times \text{MW} =$  1893 psi

Recorded Surface Pressure for Leak-off = 970 psi

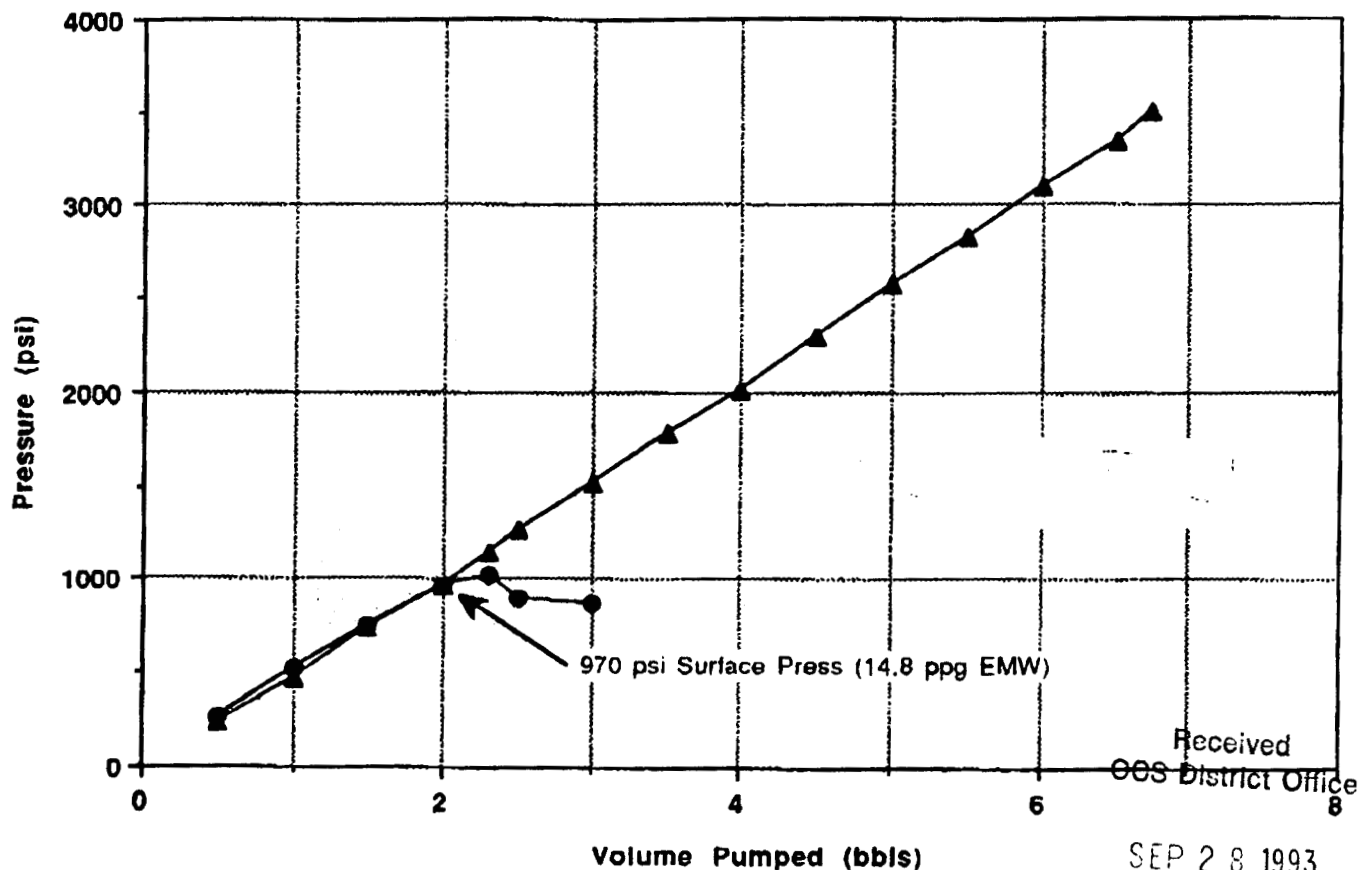
Total Leak-off Pressure on 13-3/8" Shoe = 1893 psi + 970 psi = 2863 psi

Equivalent Mud Weight @ 13-3/8" Shoe =  $2863 \text{ psi} / (3715 \text{ ft} \times 0.052) =$  14.8 ppg

Instantaneous Shut-down Pressure = 860 psi. Pressure Bled to 770 psi in 5 mins.

Pumped Total of 3 bbls. Held Pressure for 5 minutes and bled back 2-3/4 bbls.

## Kuvlum #3: 13-3/8" Leak-off Test Pressure Profile



SEP 28 1993

Minerals Management Service  
Anchorage, Alaska

**ACTUAL**

# ITEMS	COMPLETE DISCRIPTION OF EQUIPMENT RUN	LENGTH	DEPTH
			(TOP)
	RT To top of DrillQuip 13-3/8" Casing hanger	209.00	
1 ea	13-3/8" DrillQuip 13-3/8" Casing Hanger	11.14	209.00
16 JT	13-3/8" Casing	658.96	220.14
1 jt	13-3/8" DrillQuip Breakout jt.	41.93	879.10
64	13-3/8" Casing	2,671.20	921.03
1 ea	13-3/8" Float Collar	1.41	3,592.23
2 jt	13-3/8" Casing	85.43	3,593.64
1 ea	13-3/8" Float Shoe	2.00	3,679.07
	13-3/8" Float Shoe setting depth		3,681.07

**Total joints run: 82 (not including breakout jt)**

Received

**OCS District Office**

Supervisors: Bumgarner, Morrison, Hill, Dyson

SEP 28 1993

**Minerals Management Service  
Anchorage, Alaska**

## 23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (continued from page 1)

SUBSURFACE SAFETY VALVE: SUBSURFACE CONTROLLED ☐ SURFACE CONTROLLED ☐ SET AT DEPTH OF \_\_\_\_\_

MANUFACTURER: \_\_\_\_\_ MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

WARNING: PUBLIC LAW 97-451 provides civil and criminal penalties for false or inaccurate reporting. Failure to report as required under the terms of the lease, permit, or contract may result in suspension of operations or other enforcement actions.

CONTACT NAME (First, MI, Last)

Tim Billingsley

PHONE NUMBER (10)

(907) 265-6575

EXTENSION NUMBER (4)

AUTHORIZING NAME (First, MI, Last)

Michael B. Winfree

TITLE

New Ventures Area Drilling Engineer

AUTHORIZING SIGNATURE

DATE YYMMDD (6)

93 09 28

(THIS SPACE IS FOR FEDERAL OFFICE USE)

CONDITIONS OF APPROVAL FOR SPECIAL CIRCUMSTANCES:

ARE ATTACHED ☐NONE ☐

DATE (6)

YYMMDD

93/9/30

☒ APPROVED BY:☐ ACCEPTED BY:

TITLE

OCS DISTRICT SUPERVISOR

## PAPERWORK REDUCTION ACT STATEMENT

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that: This information is being collected to obtain knowledge of the equipment and procedures to be used during well-completion, workover, and production operations. This information will be used by the District Supervisor to evaluate and approve or disapprove the adequacy of the equipment and procedures to safely perform the proposed operations. Response to this request is mandatory (43 U.S.C. 1334).

Public reporting burden for this form is estimated to average 1/2 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 631, Minerals Management Service, 12203 Sunrise Valley Drive, Reston, VA 22091; and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

## SUNDRY NOTICES AND REPORTS ON WELLS

1. FIELD NAME Wildcat		2. MMS LEASE, UNIT OR COMM. NO. (6) Y 0866 0		3. MMS OPERATOR NUMBER (5) 0635	
4. OPERATOR WELL NUMBER (6) 3		5. API NUMBER (10) or (12) STATE (2) COUNTY (3) WELL CODE (5) 55 171 00010		6. TYPE WELL (1) E	
8. OPERATOR NAME AND ADDRESS (SUBMITTING OFFICE) ARCO Alaska, Inc. PO Box 100360 Anchorage, AK 99510-0360		9. CURRENT WELL DEPTH (5) MD 3601' TVD 3601' LEAVE BLANK		7. CORRECTED ELEVATION (5) -172' (ML-RKB)	
11. CORRECTED LOCATION OF WELL (12) Surface: 7743' FWL and 9643' FSL of Block 673 Production zone: NA Total depth: NA		12. OPERATING AREA CODE (2) FI		13. BLOCK NUMBER (6) 0673	
15. OPERATOR LEASE, UNIT OR COMMUNITIZATION NAME Kuvlum		16. RIG/PLATFORM NAME BeauDril - Kulluk		14. MAP OR OFFICIAL PROTRACTION DIAGRAM NUMBER (7) NR 6-4, Flaxman Island	
18. WELL STATUS, e.g., shut-in, drilling, etc. Drilling		19. LAST CASING STRING: size, lb/ft, grade, and setting depth (MD) 13-3/8", 68#/ft, L-80, BTC @ 3681'		17. RIG TYPE (2) SS	
20. APPROXIMATE START DATE (6) YYMMDD 93 08 30		21. PRESENT PRODUCTION ZONE, IF ANY, AND PRODUCTIVE CAPABILITY NA			
22. CHECK APPROPRIATE ACTIVITY: Data correction <input type="checkbox"/> Change plans <input type="checkbox"/> Request approval <input type="checkbox"/> Subsequent report <input checked="" type="checkbox"/>		Fracture/acidize <input type="checkbox"/> Pull or alter casing <input type="checkbox"/> Sidetrack <input type="checkbox"/> Reenter to complete <input type="checkbox"/> * Artificial Lift <input type="checkbox"/> Repair well <input type="checkbox"/> Deepen <input type="checkbox"/> Multiple complete <input type="checkbox"/> * Other <input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Plug back <input type="checkbox"/> Recomplete <input type="checkbox"/> * Note: Submit a separate Well (Re) Completion Report and a subsequent report of operations on this form for each completion. Alternatively, submit a Well (Re) Completion Report for each completion with a narrative as in item 23 of this form.			
23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details in this space and on the reverse, and/or on an attachment, and give pertinent dates, including estimated date for starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.  1 13-3/8" Surface Casing installed 9/21/93 to 3681'. CIP @ 17:45 hrs 9/21/93. Casing was cemented with 990 sx (308 bbls) Class G w/2% gel and 2% CaCl2 @ 13.5 ppg; and 390 sx (80 bbl) Class G w/2% CaCl2 @ 15.8 ppg. Subsea launched wiper plugs were utilized. 13-3/8" casing detail attached.  Note: Verbal approval was obtained from Mr. James Regg-MMS on 9/15/93 to alter the casing point above the APD plan of 4000' due to permeable sands being present in the ±4000' interval.  2 A formation Leak Off Test was performed after drilling 10' of new formation below the 13-3/8" casing shoe. A 14.9 ppg EMW test was obtained. Pressure vs Volume chart is attached.					

Received  
OCS District Office

23. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (continued from page 1)

Received  
OCS District Office

SEP 16 1993

Minerals Management Service  
Anchorage, AlaskaSUBSURFACE SAFETY VALVE: SUBSURFACE CONTROLLED ☐ SURFACE CONTROLLED ☐ SET AT DEPTH OF \_\_\_\_\_

MANUFACTURER: \_\_\_\_\_ MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

WARNING: PUBLIC LAW 97-451 provides civil and criminal penalties for false or inaccurate reporting. Failure to report as required under the terms of the lease, permit, or contract may result in suspension of operations or other enforcement actions.

CONTACT NAME (First, MI, Last)  Tim Billingsley	PHONE NUMBER (10)  (907) 265-6575	EXTENSION NUMBER (4)
AUTHORIZING NAME (First, MI, Last)  Mike B. Winfree	TITLE  New Ventures Area Drilling Engineer	
AUTHORIZING SIGNATURE  T.W. McIlroy FOR M.B. WINFREE	DATE YYMMDD (6)  93 09 14	

(THIS SPACE IS FOR FEDERAL OFFICE USE)

CONDITIONS OF APPROVAL FOR SPECIAL CIRCUMSTANCES:

ARE ATTACHED ☐NONE ☐

DATE (6)

YYMMDD

☒ APPROVED BY: ☐ ACCEPTED BY: \_\_\_\_\_

TITLE

DISTRICT SUPERVISOR 93/08/20

## PAPERWORK REDUCTION ACT STATEMENT

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that: This information is being collected to obtain knowledge of the equipment and procedures to be used during well-completion, workover, and production operations. This information will be used by the District Supervisor to evaluate and approve or disapprove the adequacy of the equipment and procedures to safely perform the proposed operations. Response to this request is mandatory (43 U.S.C. 1334).

Public reporting burden for this form is estimated to average 1/2 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 631, Minerals Management Service, 12203 Sunrise Valley Drive, Reston, VA 22091; and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.