

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

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24. PRODUCTION HISTORY (Development wells only)

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

ALL PERFORATED INTERVALS CURRENTLY OPEN (5)

OCS District Office

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

NA

SEP 29 1993

Minerals Management Service
Anchorage, Alaska

SITE CLEARANCE

DATE (6) YYMMDD

93/8/28

EXTENT OF

SITE SEARCH

65' radius f/ well

SITE CLEARED BY

X 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)	
Core Sagavanirktok	6729' 6650'	6729' 6650'	6732' 7150'	6732' 7150'	Clay, Siltstone Quartzose with common chert and other sedimentary lithic grains, medium to light gray, very fine to coarse grained, locally pebbly, moderately well to poorly sorted, subangular grains, moderately to poorly sorted, locally silty or muddy, weak oil stain, rarely cemented by pyrite.

GEOLOGIC MARKERS NAME	TOP		NAME	TOP	
	MD(5)	TVD (5)		MD (5)	TVD (5)
Sagavanirktok Sagavanirktok Paleontological Data see attached	Surface 11,125'	Surface 11,125'			

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. Winfree

TITLE

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 ☐☒ APPROVED BY:☐ ACCEPTED BY:

TITLE

DATE (6)

YYMMDD

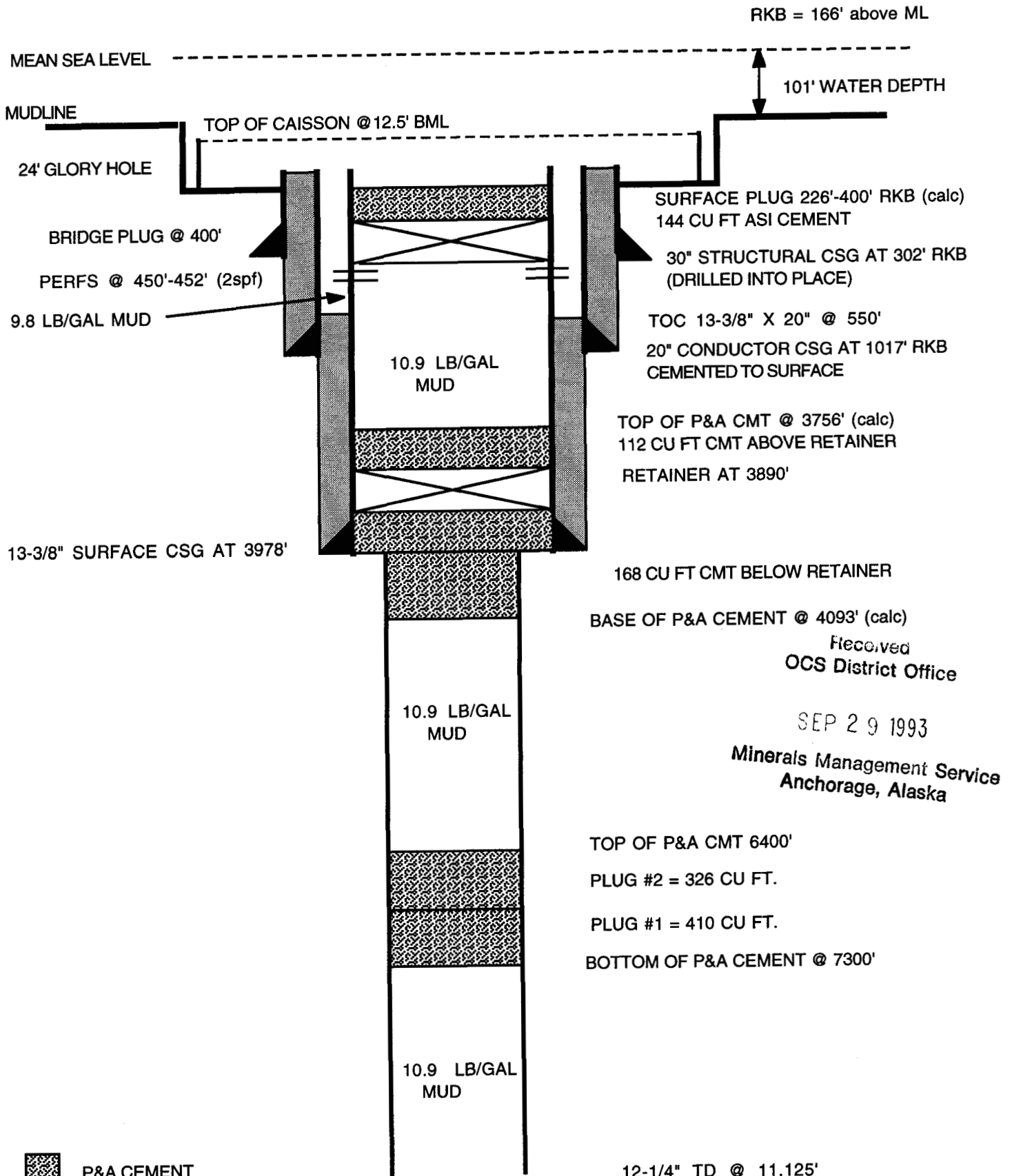
PAPERWORK REDUCTION ACT STATEMENT

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, 381 Elden Street, Herndon, VA 22070-4817; and Office of Management and Budget, Paperwork Reduction Project (OMB No. 1010-0077), Washington, DC 20503.

KUVLUM #2

ACTUAL P&A STATUS OF EXPLORATION WELL



RKB = 166' above ML

101' WATER DEPTH

TOP OF CAISSON @ 12.5' BML

SURFACE PLUG 226'-400' RKB (calc)
144 CU FT ASI CEMENT

30" STRUCTURAL CSG AT 302' RKB
(DRILLED INTO PLACE)

TOC 13-3/8" X 20" @ 550'

20" CONDUCTOR CSG AT 1017' RKB
CEMENTED TO SURFACE

TOP OF P&A CMT @ 3756' (calc)
112 CU FT CMT ABOVE RETAINER
RETAINER AT 3890'

168 CU FT CMT BELOW RETAINER

BASE OF P&A CEMENT @ 4093' (calc)

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Anchorage, Alaska

TOP OF P&A CMT 6400'

PLUG #2 = 326 CU FT.

PLUG #1 = 410 CU FT.

BOTTOM OF P&A CEMENT @ 7300'

P&A CEMENT

TB 9/2/93

**Kuvlum #2
P&A Procedure
As Performed 8/27 thru 8/28/93**

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Geometry: Mudline @ 166' RKB
30" @ 302' RKB
20" @ 1017' RKB
13-3/8" @ 3978' RKB
12-1/4" hole at 11,125'

1. Completed logging runs, RIH with drill pipe to 7650'.
2. Placed a balanced 50 bbl viscous pill from 7650' to 7300'.
3. Placed a balanced 15.8 ppg 73 bbl (410 cu ft) cement plug on top of viscous mud pill from 7300'-6800' in a 12-1/4" diameter hole.

Class G cement with 0.5% D-800 retarder

4. PU to 6800' and placed a balanced 15.8 ppg 58 bbl (326 cu ft) cement plug on top of first cement plug from 6800'-6400' in a 12-1/4" diameter hole.

Class G cement with 0.5% D-800 retarder

5. Set 13-3/8" retainer at 3890' RKB with 13-3/8" shoe @ 3978'.
6. Established injection through retainer at 3 BPM and 1100 psi.
7. Mixed 50 bbl (281 cu ft) Class G cement with .05 G/sk D-47 anti-foam.
8. Squeezed 30 bbl (168 cu ft) cement through retainer. Unstung and placed 20 bbl (112 cu ft) cement on top of retainer.
9. Perforated 13-3/8" @ 450'-452' with 2 spf. POH with wireline.
10. Closed blind rams and pressure tested 13-3/8" x 20" annulus to 500 psi for 5 minutes. No leaks.
11. Set bridge plug on drill pipe at 400'.
12. Placed 26 bbl (144 cu ft) of 15.8 ppg Arctic Set I cement from 400' to 226' RKB (Mudline at 166' RKB). Cement plug in place at 12:00 hrs on 8/28/93.
13. POH and disconnected from well and moved to Kuvlum #3. The top of caisson was left at 12.5' BML.
14. Performed diver search around Kuvlum #2 wellbore at 16:30-17:00 hrs 8/28/93. No debris observed.

TAB 9/2/93

Preliminary Correlations

<u>Kuvlum #2</u>	<u>Biostrat Zones</u>	<u>Kuvlum #1</u>
In at 1030' T/Spl.	F-2A	?
1590'	F-2B(1)	In at 1015' T/Spl.
2460'	F-2B(2a)	2100'
3540'	F-2B(2b)	3270'
4680'	F-2B(3)	4190'
5820'	F-3A(1a)	5420'
6480'	F-3A(1b)	Missing
7200'	"	6440' (Depressed top)
7500'	F-3A(1c)	6800'

Interpreted by:

Michael B. Mickey
MICROPALAEO CONSUTANTS, INC.

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Anchorage, Alaska