FINAL MD

200.056

sperry-sun DRILLING SERVICES

1 : 600 / 1 : 240

MWD

ROP Rate Of Penetration
DGR Dual Gamma Ray
EWR Electromagnetic Wave Resistivity

Country : USA
Field : Exploration
Location : Lat: 70° 14' 17.79" North Long: 151° 41' 11.40" West
Well : Spark 1A
Company : Arco Alaska, Inc.
Rig : Nabors 19E

LOCATION

Company : Arco Alaska, Inc.
Rig : Nabors 19E
Well : Spark 1A
Field : Exploration
Country : USA
API Number : 50-103-20313-01

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JUN 29 2000
Alaska Oil & Gas Cons. Commission
Anchorage

LOCATION

Latitude : 70° 14' 17.79" North
Longitude : 151° 41' 11.40" West
UTM Easting = 291,158.37 ft
UTM Northing = 5,939,589.04 ft

Other Services
CTN Thermal Neutron Porosity
SLD Stabilized Litho-Density

Permanent Datum : Mean Sea Level Elevation : 0.00 ft
Log Measured From : Kelly Bushing 94.02 ft Above Permanent Datum
Drilling Measured From : Kelly Bushing

MD LOG

Elev. KB 94.02 ft
DF 92.85 ft
GL 55.70 ft
WD 0.00 ft

Depth Logged : 2,730.00 ft To 8,522.00 ft
Date Logged : 13-Apr-00 To 23-Apr-00
Total Depth MD : 8,522.00 ft TVD : 8,445.44 ft
Spud Date : 14-Apr-00

Unit No. : #3
Job No. : AK-MM-00021
Plot Type : Final
Plot Date : 06-Jun-00

Run No.	Borehole Record (MD) Size	From	To
1	6.750 in	2,610.00 ft	6,935.00 ft
2	6.750 in	6935.00 ft	8,522.00 ft

Run No.	Borehole Record (MD) Size	From	To

Casing Record (MD) Size	Weight	From	To
0.000 in	62.50 lbpf	SURFACE	115.00 ft
7.625 in	29.70 lbpf	SURFACE	2,610.00 ft

200.056

COMPANY: ARCO Alaska, Inc.
WELL: ARCO Spark #1A FINAL
FIELD: Exploration
BOROUGH: North Slope STATE: Alaska

Schlumberger

REPEAT FORMATION TESTER
23-APRIL-2000

BOROUGH: North Slope
Field: Exploration
Location: 1608' FNL & 2497' FWL
Well: ARCO Spark #1A
Company: ARCO Alaska, Inc.

LOCATION

1608' FNL & 2497' FWL
AT SURFACE

CONFIDENTIAL

Elev.: K.B. 94.02 ft
G.L. 55.7 ft
D.F.

Permanent Datum: MSL Elev.: 0 ft
Log Measured From: RKB 94.02 ft above Perm. Datum
Drilling Measured From: RKB

API Serial No.	SECTION	TOWNSHIP	RANGE
50-103-20313-01	8	10N	2E

Logging Date		23-APR-2000				
Run Number		1				
Depth Driller		8522 ft				
Schlumberger Depth						
Bottom Log Interval		8145 ft				
Top Log Interval		8110 ft				
Casing Driller Size @ Depth		7.625 in	@	2610 ft	@	
Casing Schlumberger						
Bit Size		6.750 in				
Type Fluid In Hole		Glycol Mud				
MUD Density	Viscosity	11.1 lbm/gal	40 s			
MUD Fluid Loss	PH	3 cm3	9			
MUD Source Of Sample						
RM @ Measured Temperature		0.205 ohm.m	@	66 degF	@	
RMF @ Measured Temperature		0.148 ohm.m	@	66 degF	@	
RMC @ Measured Temperature		0.243 ohm.m	@	66 degF	@	
Source RMF	RMC					
RM @ MRT	RMF @ MRT	0.074 @ 195	0.053 @ 195		@	@
Maximum Recorded Temperatures		195 degF				
Circulation Stopped	Time	22-APR-2000	6:00			
Logger On Bottom	Time	23-APR-2000	22:00			
Unit Number	Location	2158	PRUDHOE BAY			
Recorded By		KEN CLASPER				
Witnessed By		WAYNE CAMPAIGN				

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Anchorage