FINAL TVD

200-200

200-2

sperry-sun DRILLING SERVICES

1 : 600 / 1 : 240

MWD

DGR Dual Gamma Ray
EWR Electromagnetic Wave Resistivity

Country	U.S.A.
Field	Kuparuk River Unit
Location	Lat: 70° 15' 39.81" North Long: 149° 31' 28.61" East
Well	1J-14
Company	PHILLIPS Alaska, Inc.
Rig	Nabors 16E

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Well	1J-14
Field	Kuparuk River Unit
Country	U.S.A.
API Number	50-029-22990-00

LOCATION

Latitude : 70° 15' 39.81" North
Longitude : 149° 31' 28.61" East

ALASKA STATE PLN ZN 4 X = 558808.70 ft
ALASKA STATE PLN ZN 4 Y = 5945264.72 ft

Other Services
Compensated Neutron Porosity
Stabilized Litho-Density
BAT Sonic

Permanent Datum : Mean Sea Level Elevation : 0.00 ft
Log Measured From : Drill Floor 115.00 ft Above Permanent Datum
Drilling Measured From : Drill Floor

TVD LOG

Elev. KB 0.00 ft
DF 115.00 ft
GL 80.70 ft
WD 0.00 ft

Depth Logged : 120.00 ft To 13,603.00 ft
Date Logged : 27-Mar-01 To 18-Apr-01
Total Depth MD : 13,603.00 ft TVD : 6,775.58 ft
Spud Date : 27-Mar-01

Unit No. : 18 Job No. : AK-MM-10115
Plot Type : Final
Plot Date : 07-Jun-01

Borehole Record (TVD)

Run No.	Size	From	To
1	12.250 in	129.00 ft	2,530.21 ft
2	12.250 in	2,530.21 ft	4,017.67 ft
3	12.250 in	4,017.67 ft	4,239.42 ft
4	8.500 in	4,239.42 ft	6,427.50 ft
5	6.125 in	6,427.50 ft	6,775.58 ft

Borehole Record (TVD)

Run No.	Size	From	To

Casing Record (TVD)

Size	Weight	From	To
16.000 in	84.00 lbpf	SURFACE	79.00 ft
9.625 in	40.00 lbpf	SURFACE	4,234.02 ft
7.000 in	26.00 lbpf	SURFACE	6,416.92 ft

COMPANY: PHILLIPS ALASKA, INC

WELL: SILVERTIP (1J-14)

FIELD: KUPARUK RIVER UNIT

BOROUGH: NORTH SLOPE STATE: ALASKA

FINAL

BOROUGH: NORTH SLOPE
Field: KUPARUK RIVER UNIT
Location: 1453' FSL & 2406' FEL
Well: SILVERTIP (1J-14)
Company: PHILLIPS ALASKA, INC

Schlumberger

NUCLEAR MAGNETIC RESONANCE LOG - CMR (19-APR-01)

LOCATION: 1453' FSL & 2406' FEL AT SURFACE

Elev.: K.B. 115 ft
G.L. 34.3 ft
D.F. 115 ft

Permanent Datum: SEA LEVEL Elev.: 0 ft
Log Measured From: DRILL FLOOR 115.0 ft above Perm. Datum
Drilling Measured From: DRILL FLOOR

API Serial No.	SECTION	TOWNSHIP	RANGE
50-029-22990-00	35	11N	10E

Logging Date	17-Apr-2001		
Run Number	1		
Depth Driller	13603 ft		
Schlumberger Depth	13603 ft		
Bottom Log Interval	13282.5 ft		
Top Log Interval	12983 ft		
Casing Driller Size @ Depth	7.000 in @ 12897 ft		@
Casing Schlumberger	12897 ft		
Bit Size	6.125 in		
Type Fluid In Hole	WATER BASED - LOW SOLIDS		
MUD Density / Viscosity	11.4 lbm/gal		
MUD Fluid Loss / PH	4 cm3		
MUD Source Of Sample	FLOWLINE		
RM @ Measured Temperature	1.870 ohm.m @ 68 degF		@
RMF @ Measured Temperature	1.810 ohm.m @ 68 degF		@
RMC @ Measured Temperature	1.040 ohm.m @ 67 degF		@
Source RMF / RMC	MEASURED	MEASURED	
RM @ MRT / RMF @ MRT	0.811 @ 165	0.783 @ 165	@ @
Maximum Recorded Temperatures	165 degF		
Circulation Stopped / Time	17-Apr-2001		
Logger On Bottom / Time	18-Apr-2001	7:30	
Unit Number / Location	2196	PRUDHOE BAY	
Recorded By	DOYLE/ LEPINE		
Witnessed By	PAT NOON		

CONFIDENTIAL