SIMON PETROLEUM TECHNOLOGY WELL: 6407/9-5

Print: 6290 J Units: (M) F Top: 320 Bottom: 1820 Scale: 1/200 TD: 1817

Length: 13 FT Initials: JPK

DIGITAL WIRELINE LOGS PACKAGE
1993
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SIMON PETROLEUM TECHNOLOGY SPT

COMPLETION LOG

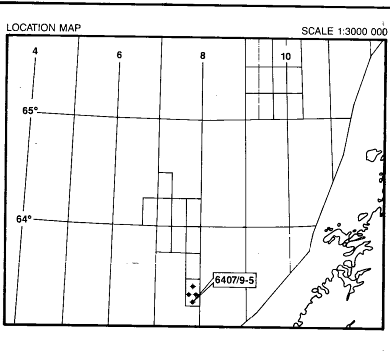
NSEP 86-7 Encl. 1

86/4879
- 6 MAI 1986
REGISTRERT
OLJEDIREKTORATET

A/S Norske Shell, E & P

COMPLETION LOG WELL: 6407/9-5

LOCATION MAP SCALE 1:3000 000



LICENCE 093

FIELD DRAUGEN

COORDINATES 64° 16′ 42.35″N 7° 44′ 14.66″E

SPUD DATE 12.09.85

COMPLETION DATE 14.11.85

RIG WEST VENTURE

CONTRACTOR SMEDVIG

K.B.ELEVATION 33 m

WATER DEPTH 286 m

T.D. (DRILLER) 1820 m

T.D. (LOGGER) 1817 m

T.D. FORMATION HALTENBANKEN FORMATION

STATUS SUSPENDED

CASING RECORD 30″ at 396 mbdf, 20″ at 801 mbdf, 13 3/8″ at 1617 mbdf 9 5/8″ at 1800 mbdf

MUD LOGGING CONTRACTOR: EXLOG

SHELL GEOLOGIST: M.J.B.G. GOESTEN

LITHOLOGY SYMBOLS

CLAY, CLAYSTONE, SHALE, SILT, SILTSTONE, SAND, SANDSTONE, LIGNITE/COAL, CARBONACEOUS, BITUMINOUS, GRAVEL/CONGLOMERATE, MARL, CHALK, LIMESTONE, DOLOMITE, SALT, GYPSUM, ANHYDRITE, TUFF, CHERT, FOSSIL,FRAGS,GEN.

HYDROCARBON INDICATIONS

WEAK OIL SHOWS, STRONG OIL SHOWS, PROVED PRODUCTIVE, WEAK GAS SHOWS, STRONG GAS SHOWS, PROVED PRODUCTIVE

LOG AND RUN No.	DATE	MEASURED	BIT SIZE	BHT OF	MUD TYPE	MUD SG	MUD RESISTIVITY/°F	MUD FILTRATE RESISTIVITY/°F
ISF/LSS/GR 1	16/09/85	317 - 810	14 3/4	80	SEAWATER/ BENT	1.0	0.488/58	0.360/60
LDL/CNL/GR 1	16/09/85	397 - 811	14 3/4	85	"	1.0	"	"
ISF/LSS/GR 2	25/02/85	803 - 1606	17 1/2	105	KCL/POLYMER	1.4	0.078/71	0.062/68
ISF/LSS/GR 3	26/09/85	HUD 1608	17 1/2		"	1.4	"	"
GR 1	26/09/85	1550 - 1604	17 1/2		"	1.4	"	"
LDL/CNL/GR 2	26/09/85	803 - 1606	17 1/2	107	"	1.4	"	"
GR 2	29/09/85	1300 - 1625	12 1/4		"	1.4	"	"
ISF/LSS/GR 4	2/10/85	1617 - 1815	12 1/4	109	CHALK MUD	1.2	0.074/61	0.070/63
LDL/CNL/NGT3	2/10/85	1617 - 1816	12 1/4	120	"	1.2	"	"
DLL/MSFL 1	3/10/85	1617 - 1811	12 1/4	130	"	1.2	"	"
RFT 1	3/10/85	15 pre - tests						
RFT 2	3/10/85	partial plugging						
RFT 3	3/10/85							
SHDT 1	3/10/85	1617 - 1810						
WST 1	4/10/85	489 - 1800						
SWS 1	26/09/85	17 1/2″ hole section			attempted 30		recovered 27	
SWS 2	4/10/85	12 1/4″ hole section			attempted 60		recovered 5	

TIME STRATIGRAPHY: SYSTEM	SERIES	STAGE	LITHOLOGICAL STRATIGRAPHY: GROUP	FORMATION	HYDRO-CARBON EVAL-UATION	GR (GAPI) 0.0 – 100.00; SP (MV) -80.00 – 20.000		ILD (OHMM) 20.000 – 2000.0; SFLU(OHMM) 20.000 – 2000.0; ILD (OHMM) .20000 – 20.000; SFLU(OHMM) .20000 – 20.000	DTL (US/F) 240.00 – 140.00; DTL (US/F) 140.00 – 40.000; DT (US/F) 240.00 – 140.00; DT (US/F) 140.00 – 40.000; TENS (LB) 10000. – 0.0

CP 26.4 FILE 6

GR (GAPI) 0.0 – 100.00; SP (MV) -80.00 – 20.000		ILD (OHMM) 20.000 – 2000.0; SFLU(OHMM) 20.000 – 2000.0; ILD (OHMM) .20000 – 20.000; SFLU(OHMM) .20000 – 20.000	DTL (US/F) 240.00 – 140.00; DTL (US/F) 140.00 – 40.000; DT (US/F) 240.00 – 140.00; DT (US/F) 140.00 – 40.000; TENS(LB) 10000. – 0.0

core no. 1: 1654.3 – 1671.0 recovery 81%
core no. 2: 1671.0 – 1674.0 recovery 63%
core no. 3: 1674.0 – 1685.0 recovery 87%
core no. 4: 1685.0 – 1703.0 recovery 91 %

RFT PRESSURE GRADIENT
1626 – 1639 mss: 0.325 psi/ft (0.744 g/cc)
1648 – 1727 mss: 0.443 psi/ft (1.020 g/cc)

TESTING
TEST NO. 1 FRØYA FORMATION

Perforated Interval	: 1654 – 1661 mbdf
Oil Production	: 7500 stb/d
Separator GOR	: 53 SGF/STB
Choke size	: 64/64″
Oil gravity	: 40° API
Gas gravity	: 0.785 (air=1)
BSW	: 0%
H_2S	: O ppm
CO_2	: 0 – 1%