271208 OR-282

EXLOG

COMPANY: BRIDGE OIL LTD
WELL: SEAL No. 1
FIELD: WILDCAT
REGION: BASS STRAIT
COORDINATES: LAT: 39° 21' 48·979"S
LONG: 144° 52' 52·700"E
API WELL INDEX NO.
SPUD DATE: 11/2/86
ELEVATION: RKB MSL 25·3m
RKB-SB 89·9m
TOTAL DEPTH: 1670M
CONTRACTOR: ATWOOD OCEANICS
RIG / TYPE: MARGIE / SEMI-SUBMERSIBLE

LOG INTERVAL
DEPTH FROM 261M TO 1670M
DATE FROM 13/2/86 TO 20/2/86
SCALE 1:500 UNIT 53
LOG PREPARED BY W CLOVER
D BENNETT

HOLE SIZE
26" TO 261M
17½" TO 656M
12¼" TO 1670M

CASING RECORD
20" AT 232M
13⅜" AT 642M

MUD TYPES
SEA WATER GEL TO 656M
LIGNOSULFONATE / DEXTRID TO 1670M

LITHOLOGY SYMBOLS

LIMESTONE	DOLOMITE	ANHYDRITE AND GYPSUM	HALITE
COAL AND LIGNITE	CLAY	SHALE	SILT AND SILTSTONE
SILTY SANDSTONE	SAND AND SANDSTONE	CONGLOMERATE	CHERT
IGNEOUS UNDIFFERENTIATED			

EXLOG SUITE ENCLOSURE Nº 2

☒ FORMATION EVALUATION LOG
☐ PRESSURE EVALUATION LOG
☐ DRILLING DATA PRESSURE LOG
☐
☐ WIRELINE DATA PRESSURE LOG
☐ TEMPERATURE DATA LOG
☐ GEMDAS COMPUTER LOGS
☐

ABBREVIATIONS

NB	NEW BIT	SVG	SURVEY GAS
RRB	RERUN BIT	C	CARBIDE TEST
CB	CORE BIT	W	MUD DENSITY PPG
WOB	WEIGHT ON BIT	V	FUNNEL VISCOSITY
RPM	REVS PER MINUTE	F	FILTRATE—API
FLC	FLOW CHECK	FC	FILTER CAKE
CR	CIRCULATE RETURNS	PV	PLASTIC VISCOSITY
PR	POOR RETURNS	YP	YIELD POINT
NR	NO RETURNS	SOL	SOLIDS — %
LAT	LOGGED AFTER TRIP	SD	SAND — %
BG	BACKGROUND GAS	S	SALINITY — PPM Cl
TG	TRIP GAS	RM	MUD RESISTIVITY
STG	SHORT TRIP GAS	RMF	FILTRATE RESISTIVITY
CG	CONNECTION GAS		
SWG	SWAB GAS		

CASING SEAT — WIRELINE LOG RUN
CORED INTERVAL — TEST INTERVAL
NO RECOVERY — + WIRELINE TEST
► SIDEWALL CORE

GAS — 100 Total gas units is equivalent to 2% methane-in-air.
OIL — Based on live oil in unwashed cuttings and percentage staining of washed cuttings.

EXLOG COMPANY: BRIDGE LTD WELL: SEAL #1 SHEET NO. 0

FORMATION EVALUATION LOG

5 cm

RKB
25·3m
MSL
64·6m
SB

DRILL 26" HOLE TO 261M WITH SEAWATER SET 20" CASING SHOE AT 232M

SWITCH TO MUD BEFORE DRILLING OUT SHOE

DRILL AHEAD 17½" HOLE

261-300 LIMESTONE, WH-LT GY, UNCON, BIOC, FORAM, BRY COR, ECH, BCY

W 8·8, V 40, F N.C, FC 3, PV 3, YP 17, SD NIL, pH 10·0, CL 8K, SOL 2

300-330 CALCARENITE, WH-LT GY, FRI, VF-F, RD-SBRD, MOD SRTD, CALC CMT, OCC BIOC, TR GLAUC, OCC TR PYR

330-360 CALCARENITE, ED-LT GY, RED MED GY, FM, VF-F, RD-SBRD, PR SRTD, ARG, CALC CMT, COM GLAUC, SL TR PYR

350-450M CLAYSTONE, LT GY, V SFT, DISP, STRG CALC W/ TR BIOC
360-390 CALCARENITE, MED GY, FM, VF TO F SLTY, CALC CMT, ARG,

360-450M CLAYSTONE, A/A W/ TR PYR

DEV = ½° AT 456M

450-550M CLAYSTONE, LT GY, V SFT, MASS, DISP, STKY, MOD CALC, TR PYR, TR-COM FOS FRAGS

550-656M CLAYSTONE, GEN A/A, BCM LESS CALC & SL-MOD SLTY W/ DEPTH

C = 3U AT 45V

W 9·3, V 46, F 24, FC 3, PV 6, YP 35, SD 2, pH 9·0, CL 17K, SOL 5

SET 13⅜" CASING SHOE AT 642M

RAN ELECTRIC LOGS AT 656M DIL-LSS-GR-CAL-SP-MSFL

DRILL AHEAD FROM 656M WITH 12¼" HOLE

DEV = ½° AT 656M

670-720M CLAYSTONE, PA GRN-MED GY, FM, SBFIS, TR SLT, MOD CALC, TR FOSS FRAG

W 9·5, V 46, F 12·8, FC 3, PV 15, YP 16, SD 5, pH 10·5, CL 16·5K, SOL 6

720-770M CLAYSTONE, LT GY, DISP, MOD-STRG CALC, SFT W/ CLAYSTONE A/A

760-820M CALCISILTITE, LT GY, FM, BLKY, TR GLAUC

770-800M CLAYSTONE, MED GY, FM, SBFISS, SLTY IN PT, OCC FOSS FRAC, MOD CALC, COM PYR

800-820M CLAYSTONE, SIM TO A/A W/ TR GLAUC W/ 20-30% CLAYSTONE, LT GY, VERY DISP, MOD CALC W/ TR DOLOMITE, DK BRN, V HD ANG FRAG

820-860M CALCARENITE, WH, FM, F SBRND, MOD SRTD, TR GLAUC, DOLIC IN PT

835-880M SANDSTONE, UNCON, CL-MLKY, M-C, RD-SBRND, PRED RND, MOD SRTD W/ COM FOSS FRAC FROM 835-840M

DEV = 1° AT 859M

880-920M CLAYSTONE, MED BRN-MED BRN GY, V SFT, DISP, SL CALC, SLTY, TR PYR, TR CARB MAT

920-1005M CLAYSTONE, A/A, BCM V SLTY & GRDG TO SILTSTONE, SFT-MOD HD, BRN GY-DK GY, BLKY, SL CALC, SL DOL, TR FOS FRAG, TR PYR DOLOMITE, LT-MED BRN, LT YEL BRN, MOD HD-HD, BLKY, ABDT GLAUC

960-1005M CLAYSTONE, A/A, ALSO LT GY-GN GY, SFT-FRM, MASS, MOD CALC, TR MICA

W 9·3, V 40, F 7·7, FC 2, PV 6, YP 12, SD ½, pH 9·5, CL 15·5K, SOL 4

1005-1060M SANDSTONE, LT-MED GY, UNCONS-FRI, VF-C, OCC VC, P SRT, SBANG-SBRND, OCC RND, ABDT PYR, TR GLAUC

1040-1120M COAL, BLK, FRM, BLKY, ETHY-RES

DEV = ¾° AT 1067M

1060-1080M SANDSTONE, LT GY, UNCONS-MOD HD, VF-VC, P SRT, SBANG-RND, SIL CMT, MNR CALC CMT, TR PYR, TR GLAUC, GEN P VIS POR

1080-1095M SANDSTONE, GEN A/A, SL SLTY, TR DOL CMT, TR CARB MAT

1095-1139M SANDSTONE, LT GY, HD, DOM VF-F, OCC M-VC, MOD-W SRT, CLR-TRANS GRAINS, SBANG-RND, OCC ANG, DK BRN SLTY MTX, SIL, CALC & DOL CMT, TR GLAUC, TR PYR, P VIS POR CLAYSTONE, GN GY-MED GY, FRM, MASS, SL-MOD CALC, TR FOS FRAGS, SLTY IN PT, OCC VF SD

C = 12U AT 40V

1139-1179M CLAYSTONE, PA GRN-MED GY, OCC DK BRN, FM, SUBBLKY, SLTY IN PT, SL CALC, OCC TR CARB MAT, BEDDING CLAYSTONE, DK BRN, V SFT, DISP, DOLIC

W 9·4, V 38, F 5·2, FC 2, PV 7, YP 12, SD ·25, pH 9·0, CL 15·5K, SOL 5

1179-1194M SANDSTONE, UNCON, CL, M-VC, PR SRTD, SBANG-SBRND

1194-1224M SANDSTONE, UNCON, CL, M-VC, PRED C-VC, SBANG-SBRND, PRED SBRND, MOD WELL SRTD, TR DUL YEL FLUOR, NO CUT

1224-1260M SANDSTONE, UNCON, CL, M-VC, PRED C-VC, SBANG-SBRND, MOD WELL SRTD W/ TR OCC DK BRN FIN DULL YEL-BRN FLUOR, SLOW CUT, THICK LT YEL RESD RING

DEV = 1° AT 1261M

1260-1284M SANDSTONE, SIM TO A/A W/ NO FLUOR W/ 20% SANDSTONE, LT-DK BRN, FM, VF, SBRND-SBANG, PR SRTD, ARG

1284-1302M SANDSTONE, UNCON, M-VC ANG-OCC SBRND, COM PYR CLAYSTONE, DK GY, FM, SUBFISS, SLTY IN PT, TR MICA

1302-1374M CLAYSTONE, BRN-GY BRN BCM MED-DK GY, V SFT-FRM, MASS-SUBFIS, V SLTY IN PT GRDG TO SILTSTONE, MED-DK BRN, SFT-HD, BLKY, SL-V C CARB, DOL IN PT

1335-1350M COAL, BLK, MOD HD, BRIT, BLKY, RES

W 9·4, V 40, F 5·4, FC 2, PV 6, YP 13, SD ½, pH 9·2, CL 12·5K, SOL 4

1374-1480M SANDSTONE, LT-MED GY, VF-F, UNCONS-FRI, W SRT, SBANG-SBRND, CALC, MNR BRN ARG SLTY MTX, TR PYR, P VIS POR, W/ 1374-1378 TR DULL YEL NAT FLUOR, SLO STRM CUT, TR RESIDUE CLAYSTONE, GEN A/A, W/ OCC TR VF SD, OCC BCM FIS GRDG-SHALE SILTSTONE, A/A

DEV = ½° AT 1481M

1480-1542 DOLERITE, DK GRN-GY, FRESH, V HD, BLKY, C GR TRAN-GRN FLD W/ CLEAVAGE, BLK PYR & MAG PROM IGN TEX

W 9·5, V 44, F 5·3, FC 2, PV 8, YP 13, SD ·25, pH 9·0, CL 11·5K, SOL 5

1542-1557 DOLERITE, WH-CL FLD, ELSE A/A

1557-1588M DOLERITE, GEN A/A, BCM SL WTHR W/ DEPTH

W 9·7, V 40, F 5·0, FC 2, PV 7, YP 11, SD TR, pH 9·5, CL 9·4K, SOL 6

1588-1605M SANDSTONE, LT-GY-LT BRN, FRI-HD, VF-F, SBANG-SBRND, SIL CMT, OCC TR PYR, NIL-V PR POR

1602-1638M SILTSTONE, LT-MED BRN, FRM-HD, ARG, SL CALC
1610-1626M CLAYSTONE, MED BRN, V SFT, DISP, SLTY IN PT
1626-1638M CLAYSTONE, A/A, ALSO MED-DK GY, FRM, SUBFISS, TR PYR
1632-1638M SANDSTONE, WH-LT BRN, VF-F, FRI-FRM, SUBANG-RND, V PR VIS POR

1638-1670M DOLERITE, DK GRN-GY, FRESH, V HD, BLKY, C GR, TRAN-GRN FLD W/ CLEAVAGE, BLK PYR & MAG, PROM IG TEX

RAN ELECTRIC LOGS AT 1670M DIL-MSFL-LSS-GR-SP LDL-CNL-GR, CST-GR

BIT DATA RECORD

RUN #	BIT DATA						BIT RUN								
	BIT #	MFR	TYPE	SIZE	IADC CODE	JET SIZES	START DEPTH	DRILLED	HOURS	AVERAGE ROP	WOB	RPM	PUMP PRESSURE	SPM/GPM	IADC BIT CONDITION
1	1	VAREL	L3A	26"	111	3x22	SEABED	171M	7,5	23M/HR	5K	100	2450	1217	1 1 0
2	2	HTC	R1	17½"	111	3x16	171M	395M	7,5	53M/HR	30K	140-190	3000	927	2 7 0
3	3	SMITH	SDS	12¼"	114	3x16	656M	486M	17,0	29M/HR	30-35	190-200	2700	695	7 6 ¼
4	4	HTC	J2	12¼"	126	3x14	1142M	339M	13,5	25M/HR	30-35K	160	2900	695	7 4 3/16
5	5	HTC	JD3	12¼"	137	3x14	1481M	56M	13,0	4M/HR	35-50K	80-120	2650	695	7 6 1/8
6	6	HTC	JD8	12¼"	347	3x14	1537M	89M	16,0	6M/HR	60K	60	2850	695	2 5 3/16
7	7	HTC	JD3	12¼"	137	3x14	1626M	44M	11,0	4M/HR	45-50K	70-80	3000	695	7 6 1/8

EL P/N 18430 MAY 1980