BREAM – 2

FORMATION TESTER RECOVERY DATA — FIT DATA

RUN 1

TEST No 1
TEST DEPTH 6302
OPEN HOLE TEST ✗
CASED HOLE TEST ☐

RECOVERY DATA
Gas (Total) 0·5 cuft
Condensate 0 cc
Oil 0 cc
Water 0 cc
Mud 21,000 cc
Sand 0 cc

TOOL DATA
Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0·020

PRESSURE DATA
Initial Shut in – psi
Shut in Time – min
Sampling 3600 psi
Sampling Time ______ min
Final Shut in ______ psi
Shut in Time ______ min
Hydrostatic 3650 psi
Surface Chamber ______ psi

RECOVERY ANALYSIS
Free Gas 0·5 cuft
Oil
API Gravity – @ – °F
GOR –
Water
Rrf (Filtered) ______ @ ______ °F
Equivalent Cl ______ ppm

MUD FILTRATE DATA
Rmf 1·02 @ 67 °F
Equivalent Cl 5500 ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS Packers did not Seal. Mud Run.
Reversefire

FORMATION TESTER RECOVERY DATA

TEST No 2
TEST DEPTH 6303
OPEN HOLE TEST ☒
CASED HOLE TEST ☐

RECOVERY DATA
Gas (Total) 28·3 cuft
Condensate 0 cc
Oil Scum cc
Water 17000 cc
Mud 500 cc
Sand 0 cc

TOOL DATA
Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0·020

PRESSURE DATA
Initial Shut in – psi
Shut in Time – min
Sampling 2740 psi
Sampling Time 11·6 min
Final Shut in 2920 psi
~~Shut in Time~~ ______ min
Hydrostatic 3600 psi
Surface Chamber 1700 psi

RECOVERY ANALYSIS
Free Gas 28·3 cuft
Oil
API Gravity ______ @ ______ °F
GOR ______
Water
~~Rrf (Filtered)~~ 1·36 @ 70 °F
Equivalent Cl 4500. ppm

MUD FILTRATE DATA
Rmf 1·02 @ 67 °F
Equivalent Cl 5500 ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS
Reversefire

FORMATION TESTER RECOVERY DATA

SEGREGATOR

TEST No 2
TEST DEPTH 6302
OPEN HOLE TEST ✗
CASED HOLE TEST ☐

RECOVERY DATA
Gas (Total) 0 cuft
Condensate 0 cc
Oil 0 cc
Water 0 cc
Mud 2250 cc
Sand 0 cc

TOOL DATA
Type of tool –
Type of Sample shot –
Sample Unit size 2250 cc
Choke size None

PRESSURE DATA
Initial Shut in – psi
Shut in Time – min
Sampling ______ psi
Sampling Time ______ min
Final Shut in ______ psi
Shut in Time ______ min
Hydrostatic 3600 psi
Surface Chamber 1750 psi

RECOVERY ANALYSIS
Free Gas – cuft
Oil –
API Gravity – @ – °F
GOR –
Water
Rrf (Filtered) ______ @ ______ °F
Equivalent Cl ______ ppm

MUD FILTRATE DATA
Rmf 1·02 @ 67 °F
Equivalent Cl 5500 ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS Lost Packer Seal.

FORMATION TESTER RECOVERY DATA

TEST No 3
TEST DEPTH 6347
OPEN HOLE TEST ☒
CASED HOLE TEST ☐

RECOVERY DATA
Gas (Total) 44 cuft
Condensate 0 cc
Oil 15000 cc
Water 0 cc
Mud 500 cc
Sand 0 cc

TOOL DATA
Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0·020

PRESSURE DATA		
Initial Shut in	–	psi
Shut in Time	–	min
Sampling	2820	psi
Sampling Time	EST 15.	min
Final Shut in	2820	psi
Shut in Time	EST 4.5	min
Hydrostatic	3650	psi
Surface Chamber	1500	psi

RECOVERY ANALYSIS		
Free Gas	44	cuft
Oil		
API Gravity	48.2 @ 60	°F
GOR	420	
Water		
Rrf (Filtered)	@	°F
Equivalent Cl		ppm

MUD FILTRATE DATA		
Rmf	1.02 @ 67	°F
Equivalent Cl	5500	ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS Reversefire.

SEGREGATOR #21

FORMATION TESTER RECOVERY DATA

TEST No.	3	
TEST DEPTH	6347	
OPEN HOLE TEST	x	
CASED HOLE TEST		

RECOVERY DATA		
Gas (Total)		cuft
Condensate		cc
Oil		cc
Water		cc
Mud		cc
Sand		cc

TOOL DATA		
Type of tool	–	
Type of Sample shot	–	
Sample Unit size	2250	cc
Choke size	None.	

PRESSURE DATA		
Initial Shut in	–	psi
Shut in Time	–	min
Sampling		psi
Sampling Time	0.1	min
Final Shut in	2820	psi
Shut in Time	0.5	min
Hydrostatic	3650	psi
Surface Chamber		psi

RECOVERY ANALYSIS		
Free Gas		cuft
Oil		
API Gravity	@	°F
GOR		
Water		
Rrf (Filtered)	@	°F
Equivalent Cl		ppm

MUD FILTRATE DATA		
Rmf	1.02 @ 68	°F
Equivalent Cl	5500	ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS To be Transferred.

FORMATION TESTER RECOVERY DATA

TEST No.	4	
TEST DEPTH	5934	
OPEN HOLE TEST	X	
CASED HOLE TEST		

RECOVERY DATA		
Gas (Total)	102.7	cuft
Condensate	4000?	cc
Oil	0	cc
Water		cc
Mud		cc
Sand		cc

TOOL DATA		
Type of tool	FIT Combo	
Type of Sample shot	HTF	
Sample Unit size	22165	cc
Choke size	0.020	

PRESSURE DATA		
Initial Shut in	–	psi
Shut in Time	–	min
Sampling	2680	psi
Sampling Time	11.5	min
Final Shut in	2870	psi
Shut in Time	3.2	min
Hydrostatic	3410	psi
Surface Chamber	1700	psi

RECOVERY ANALYSIS		
Free Gas	102.7	cuft
Oil		
API Gravity	@	°F
GOR		
Water		
Rrf (Filtered)	@	°F
Equivalent Cl		ppm

MUD FILTRATE DATA		
Rmf	1.02 @ 67	°F
Equivalent Cl	5500	ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS Reversefire

FORMATION TESTER RECOVERY DATA

TEST No.	5	
TEST DEPTH	6504	
OPEN HOLE TEST	X	
CASED HOLE TEST		

RECOVERY DATA		
Gas (Total)	0	cuft
Condensate	0	cc
Oil	0	cc
Water	10000	cc
Mud	8	cc
Sand		cc

TOOL DATA		
Type of tool	[illegible]	
Type of Sample shot	[illegible]	
Sample Unit size	[illegible]	cc
Choke size	[illegible]	

PRESSURE DATA		
Initial Shut in	3300	psi
Shut in Time	4.2	min
Sampling	200	psi
Sampling Time	22.8	min
Final Shut in	2840	psi
Shut in Time	10.5	min
Hydrostatic	3810	psi
Surface Chamber	0	psi

RECOVERY ANALYSIS		
Free Gas	0	cuft
Oil		
API Gravity	– @ –	°F
GOR	–	
Water		
Rrf (Filtered)	0.39 @ 80	°F
Equivalent Cl	18000	ppm

MUD FILTRATE DATA		
Rmf	1.02 @ 61	°F
Equivalent Cl	5500	ppm
Rw	0.065 @ 164	°F
Equivalent Cl	60000	ppm

REMARKS % Formation water

FORMATION TESTER RECOVERY DATA

TEST No. 6

TEST DEPTH 6292

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 94·3 cuft
Condensate + gas cut mud. 4000 cc
Oil cc
Water cc
Mud cc
Sand cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0 020

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 2830 psi
Sampling Time 11 min
Final Shut in 2900 psi
Shut in Time 2·5 min
Hydrostatic 3540 psi
Surface Chamber 1650 psi

RECOVERY ANALYSIS

Free Gas 94·3 cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf 102 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

Reversefire

SEGREGATOR #1

FORMATION TESTER RECOVERY DATA

TEST No. 6

TEST DEPTH 6292

OPEN HOLE TEST ☒

CASED HOLE TEST

RECOVERY DATA

Gas (Total) cuft
Condensate cc
Oil cc
Water cc
Mud cc
Sand cc

TOOL DATA

Type of tool —
Type of Sample shot —
Sample Unit size 2250 cc
Choke size None

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling psi
Sampling Time 0·1 min
Final Shut in 2880 psi
Shut in Time 1·5 min
Hydrostatic 3540 psi
Surface Chamber psi

RECOVERY ANALYSIS

Free Gas cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf 102 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS To be Transferred

Reversefire

FORMATION TESTER RECOVERY DATA

TEST No. 7

TEST DEPTH 6306·5

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 106·4 cuft
Condensate + mud. 1200 cc
Oil 0 cc
Water 0 cc
Mud cc
Sand 0 cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0·020

PRESSURE DATA

Initial Shut in 3670 psi
Shut in Time 0·5 min
Sampling 2790 psi
Sampling Time Est 15 min
Final Shut in 2790 psi
Shut in Time Est 6·5 min
Hydrostatic 3630 psi
Surface Chamber 1700 psi

RECOVERY ANALYSIS

Free Gas 106·4 cuft
Oil
API Gravity 65 @ 60 °F
GOR
Water
Rrf (Filtered) — @ — °F
Equivalent Cl — ppm

MUD FILTRATE DATA

Rmf 1·02 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS To be Transferred.

Segregator #16

FORMATION TESTER RECOVERY DATA

TEST No. 7

TEST DEPTH 6306·5

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) cuft
Condensate cc
Oil cc
Water cc
Mud cc
Sand cc

TOOL DATA

Type of tool —
Type of Sample shot —
Sample Unit size 2250 cc
Choke size None.

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling psi
Sampling Time 0·1 min
Final Shut in 2790 psi
Shut in Time 0·9 min
Hydrostatic 3630 psi
Surface Chamber psi

RECOVERY ANALYSIS

Free Gas cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf 1·02 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No 8

TEST DEPTH 6315

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 74 cuft
Condensate 500 cc
Oil 0 cc
Water cc
Mud 5500 cc
Sand 0 cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 1690 psi
Sampling Time 25.3 min
Final Shut in [illegible] psi
Shut in Time 1 min
Hydrostatic 3600 psi
Surface Chamber 1400 psi

RECOVERY ANALYSIS

Free Gas 74 cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf 1.02 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

Reversefire

SEGREGATOR

FORMATION TESTER RECOVERY DATA

TEST No 8

TEST DEPTH 6315

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 7 cuft
Condensate Trace cc
Oil 0 cc
Water 0 cc
Mud 0 cc
Sand 0 cc

TOOL DATA

Type of tool —
Type of Sample shot —
Sample Unit size 2250 cc
Choke size None

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 600 psi
Sampling Time min
Final Shut in 2940 psi
Shut in Time 1 min
Hydrostatic 3600 psi
Surface Chamber 1500 psi

RECOVERY ANALYSIS

Free Gas 7 cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) — @ — °F
Equivalent Cl — ppm

MUD FILTRATE DATA

Rmf 1.02 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No 9

TEST DEPTH 6326

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 0 cuft
Condensate 0 cc
Oil 0 cc
Water 0 cc
Mud 7000 cc
Sand 0 cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0.020

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 3770 psi
Sampling Time 2 min
Final Shut in 3770 psi
Shut in Time 0.8 min
Hydrostatic 3770 psi
Surface Chamber 0 psi

RECOVERY ANALYSIS

Free Gas 0 cuft
Oil
API Gravity 0 @ 0 °F
GOR 0
Water
Rrf (Filtered) @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf 1.02 @ 67 °F
Equivalent Cl 5500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS Packer did not seal

Mud Run.

Reversefire

FORMATION TESTER RECOVERY DATA

TEST No 10

TEST DEPTH 6285

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 106.9 cuft
Condensate + Mud 7500 cc
Oil 0 cc
Water [illegible] cc
Mud cc
Sand 0 cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0.020

PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in	– psi	Free Gas	106·9 cuft	Rmf	1·02 @ 67 °F
Shut in Time	– min	Oil		Equivalent Cl	5500. ppm
Sampling	2485 psi	API Gravity	@ °F	Rw	@ °F
Sampling Time	13·5 min	GOR		Equivalent Cl	ppm
Final Shut in	2935 psi	Water		REMARKS	
Shut in Time	10 min	Rrf (Filtered)	@ °F		
Hydrostatic	3575 psi	Equivalent Cl	ppm		
Surface Chamber	1700 psi				Reversefire

Bream-2 **FORMATION TESTER RECOVERY DATA** Run 2 9+10/4/1969 –

		RECOVERY DATA		TOOL DATA	
TEST No.	2	Gas (Total)	2·5 cuft	Type of tool	FIT Combo
TEST DEPTH	8957	Condensate	0 cc	Type of Sample shot	HTF
OPEN HOLE TEST	☒	Oil	0 cc	Sample Unit size	22165 cc
		Water	20000 cc	Choke size	0·020
CASED HOLE TEST	☐	Mud	270 cc		
		Sand	0 cc		

PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in	5000 psi	Free Gas	2·5 cuft	Rmf	0·80 @ 72 °F
Shut in Time	0·5 min	Oil		Equivalent Cl	7300 ppm
Sampling	2480 psi	API Gravity	– @ – °F	Rw	@ °F
Sampling Time	12·5 min	GOR	–	Equivalent Cl	ppm
Final Shut in	3900 psi	Water		REMARKS	
Shut in Time	2·5 min	Rrf (Filtered)	086 @ 87 °F		
Hydrostatic	5190 psi	Equivalent Cl	5600 ppm		
Surface Chamber	600 psi				

Segregator 26 **FORMATION TESTER RECOVERY DATA**

		RECOVERY DATA		TOOL DATA	
TEST No.	2	Gas (Total)	4·2 cuft	Type of tool	
TEST DEPTH	8957	Condensate	Trace cc	Type of Sample shot	
OPEN HOLE TEST	☐	Oil	0 cc	Sample Unit size	2250 cc
		Water	1750 cc	Choke size	None
CASED HOLE TEST	☐	Mud	0 cc		
		Sand	0 cc		

PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in	– psi	Free Gas	4·2 cuft	Rmf	0·80 @ 72 °F
Shut in Time	– min	Oil		Equivalent Cl	7300 ppm
Sampling	psi	API Gravity	@ °F	Rw	@ °F
Sampling Time	min	GOR		Equivalent Cl	ppm
Final Shut in	3900 psi	Water		REMARKS	
Shut in Time	min	Rrf (Filtered)	0·82 @ 80 °F		
Hydrostatic	5190 psi	Equivalent Cl	7300 ppm		
Surface Chamber	1500 psi				

FORMATION TESTER RECOVERY DATA

		RECOVERY DATA		TOOL DATA	
TEST No	3	Gas (Total)	130 cuft	Type of tool	FIT Combo
TEST DEPTH	8690	Condensate	750 cc	Type of Sample shot	HTF
OPEN HOLE TEST	☒	Oil	0 cc	Sample Unit size	22765 cc
		Water	1000 cc	Choke size	0·020
CASED HOLE TEST	☐	Mud	250 cc		
		Sand	0 cc		

PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in	5050 psi	Free Gas	130 cuft	Rmf	0·80 @ 72 °F
Shut in Time	0·3 min	Oil		Equivalent Cl	7300 ppm
Sampling	3680 psi	API Gravity	52 @ 60 °F	Rw	@ °F
Sampling Time	Est 12 min	GOR		Equivalent Cl	ppm
Final Shut in	3680 psi	Water		REMARKS	
Shut in Time	Est 5·5 min	Rrf (Filtered)	0·91 @ 88 °F		
Hydrostatic	4930 psi	Equivalent Cl	5200 ppm		
Surface Chamber	2000 psi				

FORMATION TESTER RECOVERY DATA

Segregator 24

TEST No.

TEST DEPTH

OPEN HOLE TEST ☐

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) ______ cuft
Condensate ______ cc
Oil ______ cc
Water ______ cc
Mud ______ cc
Sand ______ cc

TOOL DATA

Type of tool ______
Type of Sample shot ______
Sample Unit size 2250 cc
Choke size None

PRESSURE DATA

Initial Shut in - psi
Shut in Time - min
Sampling ______ psi
Sampling Time 0.2 min
Final Shut in 3680 psi
Shut in Time 4.8 min
Hydrostatic 4930 psi
Surface Chamber ______ psi

RECOVERY ANALYSIS

Free Gas ______ cuft
Oil
API Gravity ______ @ ______ °F
GOR ______
Water
Rrf (Filtered) ______ @ ______ °F
Equivalent Cl ______ ppm

MUD FILTRATE DATA

Rmf ______ @ ______ °F
Equivalent Cl ______ ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS To be Transferred.

FORMATION TESTER RECOVERY DATA

TEST No. 4

TEST DEPTH 8616

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 123 cuft
Condensate 600 cc
Oil 0 cc
Water 500 cc
Mud 200 cc
Sand 0 cc

TOOL DATA

Type of tool EIT Combo
Type of Sample shot HTF
Sample Unit size 22165 cc
Choke size 0.030

PRESSURE DATA

Initial Shut in 5000 psi
Shut in Time 0.5 min
Sampling 3700 psi
Sampling Time 5.75 min
Final Shut in 3880 psi
Shut in Time 8.75 min
Hydrostatic 4950 psi
Surface Chamber 2000 psi

RECOVERY ANALYSIS

Free Gas 123 cuft
Oil
API Gravity ______ @ ______ °F
GOR ______
Water
Rrf (Filtered) 0.99 @ 78 °F
Equivalent Cl 6000 ppm

MUD FILTRATE DATA

Rmf 0.80 @ 72 °F
Equivalent Cl 7300 ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS

FORMATION TESTER RECOVERY DATA

Segregator 22

TEST No.

TEST DEPTH

OPEN HOLE TEST ☐

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 14.5 cuft
Condensate 50 cc
Oil 0 cc
Water 0 cc
Mud 50 cc
Sand 0 cc

TOOL DATA

Type of tool ______
Type of Sample shot ______
Sample Unit size 2250 cc
Choke size None.

PRESSURE DATA

Initial Shut in - psi
Shut in Time - min
Sampling ______ psi
Sampling Time 0.2 min
Final Shut in 3880 psi
Shut in Time 4.3 min
Hydrostatic 4950 psi
Surface Chamber 2200 psi

RECOVERY ANALYSIS

Free Gas 14.3 cuft
Oil
API Gravity ______ @ ______ °F
GOR ______
Water
Rrf (Filtered) ______ @ ______ °F
Equivalent Cl ______ ppm

MUD FILTRATE DATA

Rmf 080 @ 72 °F
Equivalent Cl 7300 ppm
Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No. 5

TEST DEPTH 8533

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 0.5 cuft
Condensate 0 cc
Oil 0 cc
Water 21000 cc
Mud 0 cc
Sand 0 cc

TOOL DATA

Type of tool EIT Combo
Type of Sample shot HIF+¾SC.
Sample Unit size 22165 cc
Choke size 0.020

PRESSURE DATA

Initial Shut in 4980 psi
Shut in Time 1 min
Sampling 2400 psi
Sampling Time 14 min
Final Shut in 3450 psi
Shut in Time 3 min
Hydrostatic 5000 psi
Surface Chamber 200 psi

RECOVERY ANALYSIS

Free Gas ______ cuft
Oil
API Gravity ______ @ ______ °F
GOR —
Water
Rrf. (Filtered) 1.55 @ 64 °F
Equivalent Cl 3800 ppm

MUD FILTRATE DATA

Rmf 0.80 @ 72 °F
Equivalent Cl 7300 ppm

Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS Cable key seated.

FORMATION TESTER RECOVERY DATA

Segregator

TEST No. ______

TEST DEPTH ______

OPEN HOLE TEST ☐

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) ______ cuft
Condensate 0 cc
Oil 0 cc
Water 2100 cc
Mud 0 cc
Sand 0 cc

TOOL DATA

Type of tool FIT
Type of Sample shot ______
Sample Unit size 2250 cc
Choke size None.

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 0 psi
Sampling Time 0.3 min
Final Shut in 3600 psi
Shut in Time 2.7 min
Hydrostatic 5000 psi
Surface Chamber 200 psi

RECOVERY ANALYSIS

Free Gas ______ cuft
Oil
API Gravity — @ — °F
GOR —
Water
Rrf (Filtered) 1.64 @ 64 °F
Equivalent Cl 3500 ppm

MUD FILTRATE DATA

Rmf 0.80 @ 72 °F
Equivalent Cl 7300 ppm

Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS

FORMATION TESTER RECOVERY DATA

Run 3

TEST No 1

TEST DEPTH 9178

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 0.1 cuft
Condensate 0 cc
Oil 0 cc
Water 20000 cc
Mud 0 cc
Sand 0 cc

TOOL DATA

Type of tool FIT Combo
Type of Sample shot HTF + 7/8" SC
Sample Unit size 22165 cc
Choke size 0.03

PRESSURE DATA

Initial Shut in 5230 psi
Shut in Time 1 min
Sampling 2730 psi
Sampling Time 5.5 min
Final Shut in 4110 psi
Shut in Time 2.5 min
Hydrostatic 5270 psi
Surface Chamber ______ psi

RECOVERY ANALYSIS

Free Gas ______ cuft
Oil
API Gravity ______ @ ______ °F
GOR ______
Water
Rrf (Filtered) 1.31 @ 78 °F
Equivalent Cl 4000 ppm

MUD FILTRATE DATA

Rmf 0.87 @ 70 °F
Equivalent Cl 7000 ppm

Rw ______ @ ______ °F
Equivalent Cl ______ ppm

REMARKS

FORMATION TESTER RECOVERY DATA

Segregator

TEST No. ______

TEST DEPTH ______

OPEN HOLE TEST ☐

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) 0 cuft
Condensate 0 cc
Oil 0 cc
Water 2200 cc
Mud 0 cc
Sand 0 cc

TOOL DATA

Type of tool ______
Type of Sample shot ______
Sample Unit size 2250 cc
Choke size None.

PRESSURE DATA

Initial Shut in — psi
Shut in Time — min
Sampling 0 psi
Sampling Time 0.3 min
Final Shut in 4130 psi
Shut in Time 3.2 min
Hydrostatic 5272 psi
Surface Chamber ______ psi

RECOVERY ANALYSIS

Free Gas ______ cuft
Oil
API Gravity ______ @ ______ °F
GOR
Water
Rrf (Filtered) ______ @ ______ °F
Equivalent Cl ______ ppm

MUD FILTRATE DATA

Rmf 0.87 @ 70 °F
Equivalent Cl 7000 ppm

Rw — @ ______ °F
Equivalent Cl ______ ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No.	2	**RECOVERY DATA**		**TOOL DATA**	
		Gas (Total)	0·1 cuft	Type of tool	FIT Combo
TEST DEPTH	8564	Condensate	0 cc	Type of Sample shot	HTF + 7/8 SC
		Oil	0 cc	Sample Unit size	22165 cc
OPEN HOLE TEST	☒	Water	1750 cc	Choke size	0·03
		Mud	0 cc		
CASED HOLE TEST	☐	Sand	0 cc		
PRESSURE DATA		**RECOVERY ANALYSIS**		**MUD FILTRATE DATA**	
Initial Shut in	4870 psi	Free Gas	0 cuft	Rmf	0·87 @ 70 °F
Shut in Time	1 min	Oil		Equivalent Cl	7000 ppm
Sampling	0 psi	API Gravity	– @ – °F	Rw	@ °F
Sampling Time	7 min	GOR	–	Equivalent Cl	ppm
Final Shut in	3930 psi	Water			
Shut in Time	2·5 min	Rrf (Filtered)	1·02 @ 85 °F	REMARKS	Test Tight.
Hydrostatic	5070 psi	Equivalent Cl	4500 ppm		
Surface Chamber	0 psi				

FORMATION TESTER RECOVERY DATA

TEST No.	3	**RECOVERY DATA**		**TOOL DATA**	
		Gas (Total)	39·7 cuft	Type of tool	FIT Combo
TEST DEPTH	8411	Condensate	Trace cc	Type of Sample shot	HTF + 7/8 SC
		Oil	0 cc	Sample Unit size	22165 cc
OPEN HOLE TEST	☒	Water	14000 cc	Choke size	0·03
		Mud	0 cc		
CASED HOLE TEST	☐	Sand	0 cc		
PRESSURE DATA		**RECOVERY ANALYSIS**		**MUD FILTRATE DATA**	
Initial Shut in	4860 psi	Free Gas	39·7 cuft	Rmf	0·87 @ 70 °F
Shut in Time	1 min	Oil		Equivalent Cl	7000 ppm
Sampling	3280 psi	API Gravity	– @ – °F	Rw	@ °F
Sampling Time	6 min	GOR	–	Equivalent Cl	ppm
Final Shut in	3840 psi	Water		REMARKS	
Shut in Time	2·5 min	Rrf (Filtered)	1·15 @ 84 °F		
Hydrostatic	4820 psi	Equivalent Cl	4500 ppm		
Surface Chamber	1700 psi				

FORMATION TESTER RECOVERY DATA

TEST No.	4	**RECOVERY DATA**		**TOOL DATA**	
		Gas (Total)	80·3 cuft	Type of tool	FIT Combo
TEST DEPTH	8156	Condensate	600 cc	Type of Sample shot	HTF + 7/8 SC
		Oil	0 cc	Sample Unit size	22165 cc
OPEN HOLE TEST	☒	Water	8100 cc	Choke size	0·03
		Mud	0 cc		
CASED HOLE TEST	☐	Sand	0 cc		
PRESSURE DATA		**RECOVERY ANALYSIS**		**MUD FILTRATE DATA**	
Initial Shut in	4590 psi	Free Gas	80·2 cuft	Rmf	0·87 @ 70 °F
Shut in Time	1 min	Oil		Equivalent Cl	7000 ppm
Sampling	3550 psi	API Gravity	@ °F	Rw	@ °F
Sampling Time	EST 6 min	GOR	21000	Equivalent Cl	ppm
Final Shut in	3550 psi	Water			
Shut in Time	2 min	Rrf (Filtered)	1·20 @ 74 °F	REMARKS	
Hydrostatic	4550 psi	Equivalent Cl	4700 ppm		
Surface Chamber	1900 psi				

Bream – 2

FORMATION TESTER RECOVERY DATA

Run No4. 20-4-69

TEST No.	1	**RECOVERY DATA**		**TOOL DATA**	
		Gas (Total)	129·5 cuft	Type of tool	FIT Combo
TEST DEPTH	6315	Condensate	900. cc	Type of Sample shot	1 x 7/8 SC
		Oil	0 cc	Sample Unit size	22165 cc
OPEN HOLE TEST	☐	Water	0 cc	Choke size	0·03
		Mud	0 cc		
CASED HOLE TEST	☒	Sand	0 cc		

PRESSURE DATA
Initial Shut in – psi
Shut in Time – min
Sampling 2730 psi
Sampling Time 5·4 min
Final Shut in 2850 psi
Shut in Time 5·6 min
Hydrostatic 3600 psi
Surface Chamber 1950 psi

RECOVERY ANALYSIS
Free Gas 129·4 cuft
Oil
API Gravity 61 @ 60 °F
GOR
Water
Rrf (Filtered) – @ – °F
Equivalent Cl – ppm

MUD FILTRATE DATA
Rmf 0·76 @ 66 °F
Equivalent Cl 8500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No. 2
TEST DEPTH 6325·5
OPEN HOLE TEST ☐
CASED HOLE TEST ☒

RECOVERY DATA
Gas (Total) 25 cuft
Condensate 0 cc
Oil 4500 cc
Water 0 cc
Mud 0 cc
Sand 0 cc

TOOL DATA
Type of tool FIT
Type of Sample shot 2X⅞" SC
Sample Unit size 22165 cc
Choke size 0·03

PRESSURE DATA
Initial Shut in 2900 psi
Shut in Time 0·5 min
Sampling 420 psi
Sampling Time 43·5 min
Final Shut in 2870 psi
Shut in Time 9·5 min
Hydrostatic 3740 psi
Surface Chamber 500 psi

RECOVERY ANALYSIS
Free Gas 24·7 cuft
Oil
API Gravity 48·7 @ 60 °F
GOR 875
Water
Rrf (Filtered) – @ – °F
Equivalent Cl – ppm

MUD FILTRATE DATA
Rmf 0·76 @ 65 °F
Equivalent Cl 8500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

FORMATION TESTER RECOVERY DATA

Segregator

TEST No. 2
TEST DEPTH 6325·5
OPEN HOLE TEST ☐
CASED HOLE TEST ☒

RECOVERY DATA
Gas (Total) 4·7 cuft
Condensate 0 cc
Oil 900 cc
Water 0 cc
Mud 50 cc
Sand 0 cc

TOOL DATA
Type of tool
Type of Sample shot
Sample Unit size 2250 cc
Choke size None

PRESSURE DATA
Initial Shut in psi
Shut in Time – min
Sampling psi
Sampling Time 8 min
Final Shut in psi
Shut in Time min
Hydrostatic 3740 psi
Surface Chamber psi

RECOVERY ANALYSIS
Free Gas 4·7 cuft
Oil
API Gravity @ °F
GOR 830
Water
Rrf (Filtered) – @ – °F
Equivalent Cl ppm

MUD FILTRATE DATA
Rmf 0·76 @ 66 °F
Equivalent Cl 8500 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

COMPANY ESSO Standard Oil (Aust)
WELL Bream 2
FIELD Wildcat
COUNTRY Australia **STATE** Victoria

SCHLUMBERGER

FORMATION TESTER

DEPT. NAT. RES & ENV
PE903960