OILMIN N.L.

EAST MEREENIE #11

12th February 84 to 15th February 84

OILMIN N.L. EAST MEREENIE #11

OPERATIONS SCHEDULE

Hours	Remarks
12th February 1984	
2100 hrs	Rig up on well with separator etc
2124 hrs	Set choke to 8/64" choke
2125 hrs	Open up well to separator for flow test to condition the well for bottom hole sampling Monitor well flow rates
13th February 1984	
Monitor well flow rates	
0410 hrs	Change choke size 8/64" to 9/64" Monitor well flow rates
1225 hrs	Well shut in for 48 hour build-up befor running bottom sampling
1226 hrs	Rig out separator etc and move over to East Mereenie #6

15th February 1984	
0800 hrs	Rig up on well with mast unit and wireline unit
0900 hrs	Run over to East Mereenie #8 and flow well to clean up all liquids . Corlab take gas samples from well head with well flowing to flare pit
1130 hrs	E.M.#8 shut in
1245 hrs	R.I.H. with #1 bottom hole samplier
1312 hrs	Hang at 4600'
1350 hrs	P.O.O.H. with #1 samplier
1405 hrs	O.O.H. with #1 sample (good recovery)
1415 hrs	R.I.H. with #2 samplier
1430 hrs	Hang at 4600' with samplier
1510 hrs	P.O.O.H. with #2 sample
1525 hrs	O.O.H. with #2 sample (good recovery)
1540 hrs	Pressure up lubricator with two amerada's
1545 hrs	R.I.H. with amerada's
1600 hrs	Hang at 4600'
1610 hrs	P.O.O.H. with amerada's
1620 hrs	O.O.H. with amerada's bleed down lubricator end of bottom hole pressure survey. Move all gear over to East Mereenie #6 for bottom hole sampling

#1

GEARHART PTY. LTD.

SEPARATOR DATA SHEET

COMPANY Oilmin N.L. FIELD East Mereenie WELL No. E.M.#11 COUNTRY N.T.

DATE 12th &13th February 84 TYPE OF TEST Condition the well INTERVAL TESTED 4617' TO 4644' FORMATION P.3.

GAS GRAVITY ..... OIL GRAVITY ..... DEG. API STATIC BHP ..... AT ..... FBHP ..... AT .....

TIME DATA		WELLHEAD DATA				SEPERATOR DATA (Litres)									PRODUCTION DATA			
DATE AND TIME	DEAD WEIGHT TESTER	CHOKE SIZE	TUBING PRESS	CASING PRESS	WELL HEAD TEMP.	OIL TANK No. 1	OIL TANK No. 2	CHOKE	OIL METER No. 1	WATER METER No. 1	ORIFICE METER PLATE	DIFF. PRESS H20	STATIC PRESS	SEPARATOR TEMP. °F	GAS VOLUME MCF/DAY	OIL VOLUME BBLS/DAY	WATER VOLUME BBLS/DAY	GAS/OIL RATIO CF/BBL
2124	673	8/64				50100			611.9		.500							
2125	Open up well to separator on a 8/64" adjustable choke																	
2135	548	"	548															
2140	427	"	427															
2142	Oil to surface																	
2145	454	"	454															
2150	477	"	477															
2200	494	"	494															
2300	515	"	515			50300			613.9		"	30	58	77				
2400	532	"	532			50700			615.7		"	30	58	77		30.1		
13th February 1984											"	31	58	70		60.37		
0100	532	"	532			51100			617.2		"	30	58	66	72,187	60.37		1195
0200	531	"	531			51500			618.9		"	30	58	65		60.37		
0300	534	"	534			52000			620.4		"	30	58	65		75.47		
0400	534	"	534			52750			622.1		"	30	58	65	72,187	113.2		
0410	Change choke 8/64" to 9/64					"												
0500	540	"	540			53100			625.3		"	54	58	65		52.83		
0600	555	"	550			53500			628.8		"	50	58	65	93,193	60.37		1543

TEST SUMMARY

METER RUN SIZE 2.067 ORIFICE SIZE .500" AVG. TEMP. °F 66 AVG. DIFF. (h2o) ..... AVG. PRESS + 15 73 PSIA

GAS VOLUME = COEFFICIENT 50.521 x $\sqrt{\text{Vhw Pm}}$ ..... xFg 1.29 xFtf .9813 xFp v 1.0050 = ... MCF/DAY

OIL VOLUME = BBLS/INTERVAL ..... ÷ TIME INTERVAL MIN. ..... x 1440 x SHRINKAGE FACTOR ..... = ... BBLS/DAY

WATER VOLUME = BBLS/INTERVAL ..... ÷ TIME INTERVAL MIN. ..... x 1440 = ... BBLS/DAY CHLORIDE = ... PPM

SHRINKAGE FACTOR = ... GAS/OIL RATIO = ... CF/BBL % BS&W = ... % OIL = ...

REMARKS **Oil rate readings taken from oil test tank measured in litres

UNIT No. .....

#2

GEARHART PTY. LTD.

SEPARATOR DATA SHEET

COMPANY Oilmin N.L. FIELD East Mereenie WELL No. E.M.#11 COUNTRY N.Y.

DATE 13th February TYPE OF TEST Condition the well INTERVAL TESTED 4617' TO 4644' FORMATION P.3.

GAS GRAVITY ..... OIL GRAVITY ..... DEG. API STATIC BHP ..... AT ..... FBHP ..... AT .....

TIME DATA		WELLHEAD DATA				Litres SEPERATOR DATA									PRODUCTION DATA			
DATE AND TIME	DEAD WEIGHT TESTER	CHOKE SIZE	TUBING PRESS	CASING PRESS	WELL HEAD TEMP.	OIL TANK No. 1	OIL TANK No. 2	CHOKE	OIL METER No. 1	WATER METER No. 1	ORIFICE METER PLATE	DIFF. PRESS H20	STATIC PRESS	SEPARATOR TEMP. oF	GAS VOLUME MCF/DAY	OIL VOLUME BBLS/DAY	WATER VOLUME BBLS/DAY	GAS/OIL RATIO CF/BBL
0700	551	9/64"	551			54000			631.8		.500	43	58	66		75.4		
0800	543	"	543			54500			634.3		"	41.5	58	68		75.4		
0900	542	"	542			55000			636.9		"	41.5	58	77	84,903	75.4		
1000	543	"	543			55500			639.7		"	41	58	82		75.4		
1100	542	"	542			56000			642.1		"	40	58	86		75.4		
1200	541	"	541			56500			644.4		"	40	58	90	83355	75.4		
1225	541	"	541			56700			641.6		"					60.37		
1225	Well shut in for 48 hour build up befor bottom hole sampling																	

TEST SUMMARY

METER RUN SIZE 2.067" ORIFICE SIZE .500" AVG. TEMP. oF 78 AVG. DIFF. (h2o) ..... AVG. PRESS + 15 73 PSIA

GAS VOLUME = COEFFICIENT 50.521 x $\sqrt{Vhw\ Pm}$ xFg 1.29 xFtf .9813 xFp v 1.0050 = MCF/DAY

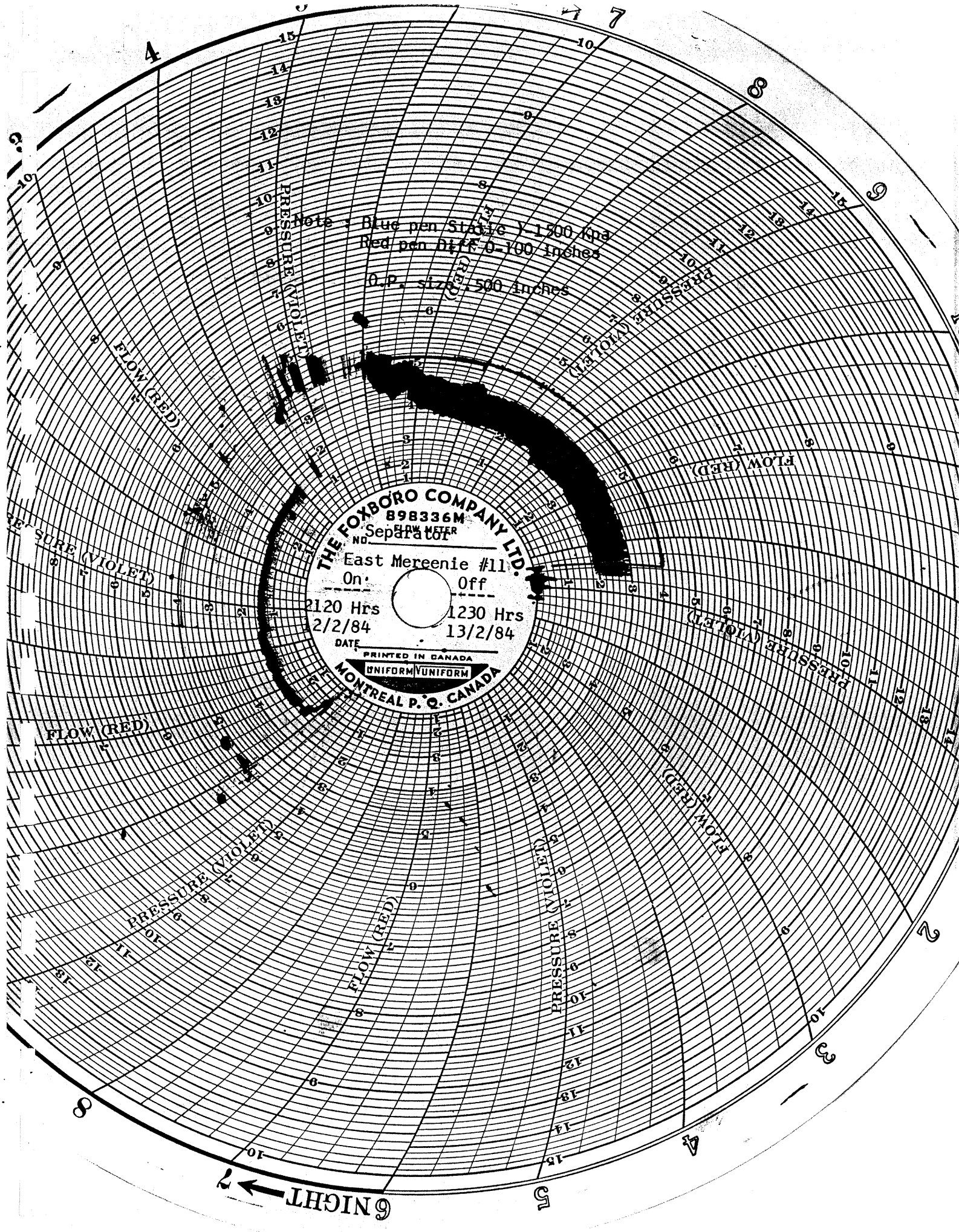
OIL VOLUME = BBLS/INTERVAL ÷ TIME INTERVAL MIN. x 1440 x SHRINKAGE FACTOR = BBLS/DAY

WATER VOLUME = BBLS/INTERVAL ÷ TIME INTERVAL MIN. x 1440 = BBLS/DAY CHLORIDE = PPM

SHRINKAGE FACTOR = GAS/OIL RATIO = CF/BBL % BS&W = % OIL =

REMARKS Oil rate readings taken from oil test tank measured in litres

UNIT No. ..... OPERATOR G.C.C.


Note : Blue pen Static 0-1500 Kpa
Red pen Diff 0-100 inches
O.P. size .500 inches
THE FOXBORO COMPANY LTD.
898336M
FLOW METER
NO.
Separator
East Mereenie #11
On
Off
2120 Hrs
12/2/84
1230 Hrs
13/2/84
DATE
PRINTED IN CANADA
UNIFORM
MONTREAL P.Q. CANADA
PRESSURE (VIOLET)
FLOW (RED)
6 NIGHT

INDUSTRIAL

WIRELINE REPORT

1. FIELD: East Mereenie POOL: WELL NO. E.M.#11

2. TYPE AND PURPOSE OF SURVEY. Bottom hole pressure after running bottom hole samplier

DATE OF SURVEY. 15/2/1983

3. WELL DATA:

Elevation: RT 20' : GL : PBD

Production Casing: EFFECTIVE DEPTH:

Liner Description:

Tbg Details (incl. BPV, Plugs, Restrictions).

Wellhead Description:

Perforated Intervals:

Interval Exposed to Survey:

Mid-Point of Exposed Perforations:

Current Status: Shut in

4. INSTRUMENT DATA:

Position	Top	Middle	Bottom
Recorder Details			
No.	61377		14813
Turn lead Screw	7½		15
Element Details			
Type			
No.	21370		6409
Range	4000		2950
Clock Details			
No.	26285		3331
Range	24		3
Time Details			
Clock wound	1500 hrs		1500 hrs
Clock loaded	1500		1500
Stylus engaged	1500		1500
Stylus disengaged	1625		1625

5. DEPTH STATION TIME DETAILS

Depth Station	Time		Stop	Pressure		Temp.
	From	To		Tbg	Csg	Tbg
Ft.			Min.	psig	psig	°F
Surface - open up valve to lub.	1540	1545	5	582 psi		
R.I.H.	1545					
Hang at 4600'	1600	1610	10			
P.O.O.H.	1610					
Surface - shut in valve & bleed off lubricator	1620 hrs					

Note: Lowest element at depth of station unless otherwise noted.

6. MAXIMUM BOTTOMHOLE TEMP: 146° F PICK-UP DEPTH:

GEARHART PTY. LTD.

WIRELINE SURVEY REPORT

Owner: Oilmin N.L. Field: East Mereenie Well No.: E.M.#11

Type and Purpose of Survey: Bottom hole pressure after bottom hole samplie Date: 15/2/1983

Instrument No.: 21370 Type: Amerada Range: 4000 psi

Recorder No.: 61377 T.L.S.: 7½ Clock No.: 26285 Range: 24 Hrs.

Clock Wound: 1500 Stylus Engaged: 1500 Stylus Disengaged: 1625

Maximum Temperature: 146 °F @ 4600

TIME	M.D.	TVD	Defl. + Base	True Defl.	K	P.S.I.G.	GRAD.	REMARKS
1540		0'		.386		779.24		Surface
1610		4600'		.877		1774.84		

GEARHART PTY. LTD.

WIRELINE SURVEY REPORT

Owner: Oilmin N.L. Field: East Mereenie Well No.: E.M.#11

Type and Purpose of Survey: Bottom hole pressure survey Date: 15/2/1984

Instrument No.: 6409 Type: Amerada Range: 2950 psi

Recorder No.: 14813 T.L.S.: 15 Clock No.: 3331 Range: 3 Hrs.

Clock Wound: 1500 Stylus Engaged: 1500 Stylus Disengaged: 1625

Maximum Temperature: 146 °F @ 4600

TIME	M.D.	TVD	Defl. + Base	True Defl.	K	P.S.I.G.	GRAD.	REMARKS
1540		.0'		.393		580.27		Surface
1610		4600'		1.207		1783.57		