

OILMIN N. L.

EAST MEREENIE #4

10th & 11th December 1983



DEPT. OF MINES & ENERGY
DO NOT REMOVE



P01111

NORTHERN TERRITORY
GEOLOGICAL SURVEY



SEPARATOR DATA SHEET

1

COMPANY.....OILMIN N.L. FIELD.....MEREENIE..... WELL No.....EAST MEREENIE # 4..... COUNTRY.....N.I.....
 DATE.....10/12/83..... TYPE OF TEST.....Clean Up Flow (B.H. sampling)..... INTERVAL TESTED..... TO..... FORMATION.....P3.....
 GAS GRAVITY..... OIL GRAVITY..... DEG. API STATIC BHP..... AT..... FBHP..... AT.....

TIME DATA		WELLHEAD DATA				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 H2O	STATIC PRESS	SEPARATOR TEMP. OF	GAS VOLUME MCF/DAY	OIL VOLUME BBL/DAY	WATER VOLUME BBL/DAY	GAS/OIL RATIO CF/BBL	
1523	1034	16/64		1050		Open well to separator													
25	953	"		1030		Flowing gas													
30	848	"		1015		--- " ---													
35	747	"		988		Fluid to surface													
45	857	"		983		Fluid													
1600	868	"		930		Flowing gas													
15	857	"		940		--- " ---													
30	850	"		920		--- " --- - Choke up to 22/64													
32						Fluid to surface													
40	576	22/64		860		Flowing oil & gas													
45	590	"		842		--- " ---			374.5				61	63					
1700	542	"		810		--- " ---			380.4				61	64					
05	540	"		790		Choke down 20/64													
25	534	20/64		765		Choke down 16/64													
40	558	"		740					392.4		1.000"	80	62	68					
45	546	16/64		731		Choke down 14/64			393.3		"	62	62	67					
1800	557	14/64		720					395.4		"	62	62	67					
05	553	"		715		Choke down 12/64			396.1		"								



TEST SUMMARY

METER RUN SIZE..... ORIFICE SIZE..... AVG. TEMP. °F..... AVG. DIFF. (h2o)..... AVG. PRESS + 15..... PSIA
 GAS VOLUME = COEFFICIENT..... x $\frac{V_{hw} P_m}{P_m}$ x Fg..... x Ftf..... x Fpv..... = MCF/DAY
 OIL VOLUME = BBL/INTERVAL..... ÷ TIME INTERVAL MIN..... x 1440 x SHRINKAGE FACTOR..... = BBL/DAY
 WATER VOLUME = BBL/INTERVAL..... ÷ TIME INTERVAL MIN..... x 1440 = BBL/DAY CHLORIDE = PPM
 SHRINKAGE FACTOR = GAS/OIL RATIO = CF/BBL % BS&W = % OIL =

REMARKS..... No rates worked out.....

UNIT No. OPERATOR

SEPARATOR DATA SHEET

2

COMPANY..... OILMIN N.L. FIELD..... MEREENIE WELL No. EAST MEREENIE # 4 COUNTRY..... N.A.T.
 DATE..... 10-11/12/83 TYPE OF TEST..... Clean Up Flow (B.H. sampling) INTERVAL TESTED..... TO..... FORMATION..... P3
 GAS GRAVITY..... OIL GRAVITY..... DEG. API STATIC BHP..... AT..... FBHP..... AT.....

TIME DATA		WELLHEAD DATA				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 H2O	STATIC PRESS	SEPARATOR TEMP. OF	GAS VOLUME MCF/DAY	OIL VOLUME BBL/DAY	WATER VOLUME BBL/DAY	GAS/OIL RATIO CF/BBL
1820	543	12/64		705		Well slugging			397.4		1.000"	49	62	67				
30	546	"		700		---	" ---		397.8		"	38	61	69	Change O.P. down			
55	544	"		700		Choke up to 16/64			398.5		.750"							
1925	370	16/64							401.6		"	48	62	69				
2000	359	"		715		Choke down 15/64			405.9		"				Change O.P. down			
30	359	15/64		720		Choke down 14/64			409.5		.500"	84	63	68				
2100	356	14/64		720		9100			413.2		"	79	63	68				
30	363	"		728		9660			416.7		"	74.5	63	66	119,239	168		710
2200	364	"		730		10200			420.1		"	74.5	63	66	119,239	163		732
30	366	"		730		10800			423.3		"	73.5	63	66	118,436	154		769
2300	367	"		730		11300			426.5		"	71.5	63	64	117037	154		760
30	368	"		730		11,800			429.7		"	71.5	63	64	117,037	154		760
11/12/83																		
0001	371	"	M0780452	735		12,360			433		"	71.5	63	64	117,037	158		741
0100	374	"		735		13480			439.5		"	71.5	63	64	117,037	156		750
0200	375	"		740		14400			446.1		"	72	63	63	117,551	158		744
0300	374	"		740		15600			452.7		"	73	63	63	118,365	158		749
0400	375	"		740		16600			459.3		"	72.5	63	62	118,077	158		747

TEST SUMMARY

METER RUN SIZE..... ORIFICE SIZE..... AVG. TEMP. OF..... AVG. DIFF. (h2o)..... AVG. PRESS + 15..... PSIA
 GAS VOLUME = COEFFICIENT..... x Vhw Pm..... x Fg..... x Ftf..... x Fpv..... = MCF/DAY
 OIL VOLUME = BBL/INTERVAL ÷ TIME INTERVAL MIN. x 1440 x SHRINKAGE FACTOR = BBL/DAY
 WATER VOLUME = BBL/INTERVAL ÷ TIME INTERVAL MIN. x 1440 = BBL/DAY CHLORIDE = PPM
 SHRINKAGE FACTOR = GAS/OIL RATIO = CF/BBL % BS&W = % OIL =

REMARKS..... Note: Oil rates taken from meter.....

UNIT No. OPERATOR

SEPARATOR DATA SHEET

3

COMPANY OILMIN N.L. FIELD MEREENIE WELL No. EAST MEREENIE # 4 COUNTRY N.I.
 DATE 11/12/83 TYPE OF TEST Clean Up Flow (B.H. sampling) INTERVAL TESTED TO FORMATION P3
 GAS GRAVITY OIL GRAVITY DEG. API STATIC BHP AT FBHP AT

TIME DATA		WELLHEAD DATA				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 H2O	STATIC PRESS	SEPARATOR TEMP. OF	GAS VOLUME MCF/DAY	OIL VOLUME BBLS/DAY	WATER VOLUME BBLS/DAY	GAS/OIL RATIO CF/BBL
0500	375	14/64		740		17800			466.0		.500"	72.5	63	61	118,184	161		734
0600	370	"		740		18600			472.6		"	72.5	63	61	118,184	158		748
0700	372	"		745		19600			479.1		"	72.5	63	63	117,959	156		756
0800	375	"		750		20700			485.3		"	69.5	62	68	114,209	149		767
0900	375	"		755		21800			492.2		"	74	62	73	117,290	166		706
1000	374	"		750		22800			499.2		"	78.5	62	81	120,021	168		714
1100	431	"		750		24000			506.3		"	80	62	84	120,718	170		710
15	481	"		750		Well heading - change up 0.P.												
1200	411	"		742		24800			512.0		.750	48	61	81	212,309	137		1550
1300	373	"		738		25600			517.6		.500"	68.5	62	89	111,191	134		830
50						Well heading 0.P. up												
1400	435	"		735		26600			523.8		.500"	45	61	88	204,241	149		1371
1500	362	"		740		27420			528.9		"	34	61	91	177,205	122		1453
05						SHUT IN MASTER VALVE - END TEST												



TEST SUMMARY

METER RUN SIZE ORIFICE SIZE AVG. TEMP. °F AVG. DIFF. (h2o) AVG. PRESS + 15 PSIA
 GAS VOLUME = COEFFICIENT x Vhw Pm x Fg x Ftf x Fpv = 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 Note: Oil rates taken from meter.

UNIT No. OPERATOR

GEARHART PTY. LTD.
1/138 MUSGRAVE AVE.,
WELLAND, S.A. 5007.

OILMIN N.L.

EAST MEREENIE # 4

H.P. GAUGE run to 4700 FT. for pressure reading after BOTTOM -
HOLE SAMPLE. B.H.P. is 1802.67 psia.
This is only an approximation as this information was lost after
the survey.



