

# WELLFILE

TF

NORSKALD

DST 1

DATE: 24/5/79

INTERVAL: 1990-1995M

OBJECT

WELL NO 34/10-3

THE OBJECT WAS TO CARRY OUT A DRILL STEM TEST ON THE PERFORATED INTERVALS 1990-1995m, 1934-1940m, 1895-1900m, AND TO FLOW TEST ANY RESULTANT FORMATION FLUIDS THROUGH THE OTIS SURFACE PRODUCTION EQUIPMENT, OBTAINING ACCURATE FLOW ESTIMATES OF HYDROCARBONS AND WATER, AND PRESSURISED SURFACE SAMPLES OF THESE FLUIDS., ALSO BOTTOM HOLE SAMPLES, AND PRESSURE AND TEMPERATURE DATA AS REQUIRED BY COMPANY.

HAVING OBTAINED ALL DESIRED TEST DATA, THE CONTENTS OF THE TEST STRING WERE REVERSE CIRCULATED, AND THE RETRIEVALE PACKER UNSEATED. THE DRILL STEM TEST STRING PULLED OUT OF HOLE.



**PRODUCTION STRING**

DST 1

OEC-887-B

WELL NUMBER OR NAME 34/10-3	DATE (DAY MO YR) 23/5/79	PAGE OF 1   1
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CUSTOMER STATOIL	FIELD 34/10	FORMATION SANDSTONE
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COMPLETION (SINGLE/DUAL/ETC.) SINGLE	PRODUCING THRU TUBING AND/OR ANNULUS TUBING	K B ELEV. (FEET) 201 M	GROUND ELEV./WATER DEPTH (FT.) 179 M	REFERENCE ELEV.
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TOTAL DEPTH (FEET) 2802 M	PLUG BACK TOTAL DEPTH (FEET) 2276 M	HOLE SIZE IF OPEN HOLE 7"	SMALLEST RESTRICTION IN TUBING (INCHES) AND LOCATION (FEET)
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**PACKER**

TOP PACKER TYPE R.T.T.S.	TOP PACKER DEPTH (FT.) 1962 M	BOTTOM PACKER TYPE	BOTTOM PACKER DEPTH (FT.)	RATHOLE VOL. (BBLs) 3
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**CASING**

I. D. (INCHES) 7"	O. D. (INCHES)	WEIGHT (LBS./FT.) 29	DEPTH (FEET) 2646 M	ANNULUS VOL. (BBLs)	PERFORATION DESCRIPTION (SHOTS/FT., ETC.) 4 SHOTS/FT	PERFORATED INTERVAL TESTED (FEET) 1990-1995 M
I. D. (INCHES)	O. D. (INCHES)	WEIGHT (LBS./FT.)	DEPTH (FEET)	ANNULUS VOL. (BBLs)	PERFORATION DESCRIPTION (SHOTS/FT., ETC.)	PERFORATED INTERVAL TESTED (FEET)

**TUBING**

I. D. (INCHES) 3.5	O. D. (INCHES)	WEIGHT (LBS./FT.) 13.3	DEPTH (FEET) 1970 M	VOLUME (BBLs) 49	DISPLACEMENT FLUID TYPE (WELL EFFLUENT, DIESEL, WATER, ETC.) SEA WATER	DISPLACEMENT FLUID GRADIENT (LBS./FT.) 1.8	DISPLACEMENT FLUID DEPTH (FEET) 6424
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**BOTTOM HOLE PRESSURE GAUGES**

TYPE	IDENTIFICATION NUMBER	CHART RANGE (HOURS)	PRESSURE RANGE (psi)	DEPTH SET (FEET)	USED DURING (ENTIRE TEST, FLOW TIME, FINAL BUILD-UP, ETC.)
TYPE	IDENTIFICATION NUMBER	CHART RANGE (HOURS)	PRESSURE RANGE (psi)	DEPTH SET (FEET)	USED DURING (ENTIRE TEST, FLOW TIME, FINAL BUILD-UP, ETC.)
TYPE	IDENTIFICATION NUMBER	CHART RANGE (HOURS)	PRESSURE RANGE (psi)	DEPTH SET (FEET)	USED DURING (ENTIRE TEST, FLOW TIME, FINAL BUILD-UP, ETC.)

**BOTTOM HOLE TEMPERATURE GAUGE**

TYPE	IDENTIFICATION NUMBER	CHART RANGE (HOURS)	TEMP. RANGE (°F)	DEPTH SET (FEET)	USED DURING (ENTIRE TEST, FLOW TIME, FINAL BUILD-UP, ETC.)
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COMMENTS:

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TEST STRING

OEC-969

TEST NUMBER DST 1	RIG NAME NORSKALD	DATE (DAY MO. YR.) 23/5/79	PAGE OF 1   1
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CUSTOMER STATOIL	WELL NAME OR NUMBER 34/10-3	FIELD 34/10	AREA NORWAY
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TOP OF HOLE	DEPTH METERS	DEPTH METERS	KB ELEVATION	GROUND ELEV./WATER DEPTH	REFERENCE ELEV.	MUD WT. (LBS./FT.)	INTERVAL TESTED		
							1990-1995 m		
			201 m	179m	SEA BED				
		DEPTH METERS	ITEM #	DESCRIPTION			OUTSIDE DIAMETER (INCHES)	INSIDE DIAMETER (INCHES)	LENGTH METERS
		-7.43	1	OTIS TEST TREE				2.25	1.18
		-6.25	2	DRILL PIPE ABOVE RKB			3.5	2.76	6.25
		12.42	3	DRILL PIPE BELOW RKB			3.5	2.76	12.42
		14.60	4	OTIS LUB VALVE			16.0	2.94	2.18
		196.10	5	19 JNTS DRILL PIPE + 1 PUP JOINT			3.5	2.76	181.50
		201.00	6	OTIS SSTT ABOVE WELLHEAD			16.0	2	4.90
		201.70	7	OTIS SSTT BELOW WELLHEAD			16.0	2	0.70
		1738.55	8	164 JNTS DRILL PIPE			3.5	2.76	1536.85
		1744.09	9	SLIP JOINT OPEN			5	2.25	5.54
		1748.10	10	SLIP JOINT CLOSED			5	2.25	4.01
		1859.91	11	4 STDS DRILL COLLARS			4.75	2.25	111.81
		1860.9	12	7" RITS CIRCULATING VALVE			4.5	2.44	0.99
		1861.12	13	SUB 2 7/8" EUE BOX X 3 1/2 IF PIN			4.75	2.25	0.22
		1865.13	14	SLIP JNT CLOSED			5	2.25	4.01
		1869.14	15	SLIP JNT CLOSED			5	2.25	4.01
		1953.28	16	3 STDS DRILL COLLARS			4.75	2.25	84.14
		1954.19	17	5" APR "A" REVERSING VALVE			5	2.25	0.91
		1958.29	18	5" APR "N" TESTER VALVE			5	2.25	4.10
		1959.81	19	BIG JOHN JARS			4.625	3.75	1.52
		1960.80	20	7" RITS CIRCULATING VALVE			4.5	2.44	0.99
		1961.64	21	7" RITS SAFETY JOINT			5	2.44	0.84
		1962.16	22	7" RITS PACKER SET			5.75	2.185	0.52
		1962.96	23	7" RITS PACKER BELOW			5.75	2.185	0.80
		1964.12	24	2 7/8" EUE TUBING			2.875	2.44	1.16
		1966.40	25	2 7/8" PERFORATED TUBING			2.875	2.44	2.28
		1966.63	26	SUB 2 3/8" EUE BOX X 2 7/8 EUE BOX			3.125	1.96	0.23
		1966.86	27	OTIS XN NIPPLE			2.71	1.79	0.23
		1967.09	28	SUB 2 3/8" EUE BOX X 2 7/8 EUE BOX			3.125	1.96	0.23
		1986.04	29	2 JNTS 2 7/8" EUE TUBING X BULL PLUG			2.875	2.44	18.95
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						

BOTTOM OF HOLE



# SEQUENCE OF OPERATIONS

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CUSTOMER STATOIL	WELL NAME OR NUMBER 34/10-3	FIELD 34/10	AREA NORWAY
CUSTOMER REPRESENTED BY G. HELLA		OTIS TEST SUPERVISOR ALAN PATRICK	

DATE	TIME	OPERATIONS	
04	0000	CREW DEPARTED BASE FOR AIRPORT - ARRIVED AT AIRPORT - TEST DELAYED -	1
		CREW RETURNED TO BASE TO STANDBY FOR TEST.	2
14	0000	CREW DEPARTED BASE FOR NORWAY BASE - ARRIVED AT BASE - INSTALLED 3 1/2"	3
		RAMLOCK IN S.S.T.T. AND PRESSURE TESTED - O.K	4
15	0000	I. COOPER DEPARTED BASE FOR RIG - A. PATRICK AND K. TAYLOR STANDING BY AT	5
		BASE. CARRIED OUT INSPECTION OF EQUIPMENT ON BOARD RIG:	6
16	0000	COMMENCED PREPARING EQUIPMENT FOR PRESSURE TESTING	7
17	0000	PRESSURE TESTED SEPARATOR AND FLOW LINES TO BURNER HEAD - O.K. A. SCOTT	8
		JOINED CREW.	9
18	0000	REMAINDER OF CREW ARRIVED ONBOARD RIG. FUNCTION AND PRESSURE TESTED	10
		S.S.T.T. - O.K. AND LUBRICATOR VALVE - LEAKED - BROKE DOWN AND	11
		REPLACED PACKING. REPAIRED WATER LINES ON BOOMS AND TESTED - O.K.	12
19	0000	FUNCTION AND PRESSURE TESTED LUBRICATOR VALVE - O.K., CHOKE MANIFOLD - O.K.	13
		S.T.T. - O.K. AND CHIKSANS - O.K. RAN S.S.T.T. DOWNHOLE FOR SPACING RUN	14
		ADJUSTED FLUTED HANGER 4/2" - O.K. CARRIED OUT CALIBRATION CHECK ON	15
		FLOW METERS, SURFACE RECORDER AND BARTON METER - O.K. HOOKED UP S.S.D. O.K.	16
20	0000	FUNCTION TESTED BURNERS - O.K. MADE UP FLOW LINE CROSSOVERS. CARRIED OUT	17
		GENERAL PREPARATIONS FOR TEST	18
21	0000	SPACED OUT S.S.T.T., LUBRICATOR VALVE AND S:T.T. - O.K.	19



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CUSTOMER STATOIL	WELL NAME OR NUMBER 34/10-3	FIELD 34/10	AREA NORWAY
CUSTOMER REPRESENTED BY G. HELLA		OTIS TEST SUPERVISOR ALAN PATRICK	

DATE	TIME	OPERATIONS	
1			1
22	0000	CHECKED AND MADE EQUIPMENT READY FOR TEST	
2			2
23	0000	CHECKED AND MADE EQUOPMENT READY FOR TEST	
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15			15
16			16
17			17
18			18
19			19



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CUSTOMER STATOIL	WELL NAME OR NUMBER 34/10-3	FIELD 34/10	AREA NORWAY
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CUSTOMER REPRESENTED BY G. HELLA	OTIS TEST SUPERVISOR ALAN PATRICK
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DATE	TIME	OPERATIONS	
24	1315	S.S.T.T. THROUGH ROTARY	1
24	1450	LUBRICATOR VALVE THROUGH ROTARY	2
24	1500	S.S.T.T. LANDED OFF	3
24	1545	COMPLETED RIGGING UP S.T.T. & KILL LINE CHIKSANS	4
24	1600	PRESSURE TESTED KILL LINE TO 5000 PSI - OK.	5
24	1623	RESSURE TESTED TEST STRING - SWAB VALVE & FLOW	6
24	1623	LINE VALVE TO 5000 PSI - OK	7
24	1645	PACKER SET	8
24	1650	COMMENCE RIGGING UP ALL SURFACE EQUIPMENT AND	9
24	1650	CHANGING OUT BALES	10
24	2020	SURFACE EQUIPMENT HOOKED UP	11
24	2020	LINES PRESS TESTED FRONT V/V/S ON HALIBURTON	12
24	2020	CHOKE TO 5000 PSI - SUSPECTED LEAK	13
24	2100	PRESSURE TESTED FRONT V/V/S ON HALLIBURTON CHOKE	14
24	2100	TO 6000 PSI - OK	15
24	2108	PRESSURE TESTED BACK V/V/S ON HALLIBURTON CHOKE	16
24	2108	TO 6000 PSI - OK	17
24	2152	PRESS TESTED FRONT V/V/S ON OTIS CHOKE TO 6000 OK	18
24	2205	PRESS TESTED <del>BACK</del> V/V/S ON OTIS CHOKE TO 6000 OK	19



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CUSTOMER REPRESENTED BY G. HELLA	OTIS TEST SUPERVISOR ALAN PATRICK
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DATE	TIME	OPERATIONS	
24	2215	PRESS TESTED SEPARATOR MANIFOLD TO 1800 PSI - OK	1
24	2220	COMENCE RIGGING UP WIRELINE	2
25	115	COMPLETED RIGGING UP WIRELINE, PRESSURE TESTED	3
25	115	STRING AND SURFACE LUBRICATOR TO 3500 PSI - OK	4
25	129	OPENED A.P.R. - WELL SHUT - IN AT CHOKE	5
25	135	COMMENCED RUNNING B.H.P. GAUGES ON WIRELINE	6
25	230	WIRELINE JARRING	7
25	315	WIRELINE PULLING OUT OF HOLE	8
25	350	W/L RETRIEVED WITHOUT TOOLS - MASTER V/V CLOSED	9
25	440	SWAB VALVE CLOSED - MASTER VALVE OPENED	10
25	500	W/L LUBRICATOR BLED OFF BROKEN OUT AND LAID DOWN	11
25	525	A.P.R. CLOSED	12
25	535	BLED PRESS IN TEST STRING BACK TO 850 PSI TO	13
25	535	FUNCTION TEST A.P.R.	14
25	558	OPENED A.P.R. - FUNCTION TEST O.K	15
25	617	OPENED WELL ON 8/64 POS CHOKE. FLOW DIRECTED TO	16
25	617	TANK. TANK READINGS 18 BBLs	17
25	630	WELL SHUT-IN AT A.P.R. TANK READINGS 22BBLs	18
25	630	WELL FLOWED 3 BBLs	19





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CUSTOMER REPRESENTED BY G. HELLA	OTIS TEST SUPERVISOR ALAN PATRICK
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DATE	TIME	OPERATIONS	
25	733	OPENED WELL ON 12/64 POS CHOKE. FLOW DIRECTED	1
25	733	TO TANK. TANK READING 22 BBLs	2
25	830	WELL SHUT-IN AT A.P.R. TANK READINGS 22 BBLs	3
25	830	WELL FLOWED 41.5 BBLs	4
25	835	PUMPED TANK CONTENTS OUT OIL LINE	5
25	838	MUD TO SURFACE	6
25	850	FORMATION WATER AND MUD TO SURFACE	7
25	855	FORMATION WATER, S.S.D. READING 3 M.VOLTS	8
25	910	S.S.D. READING 4 M. VOLTS	9
25	1011	INCREASED TO 14/64 POSITIVE CHOKE	10
25	1045	BYPASS TANK TO GAS FLARE. PUMPED TANK CONTENTS	11
25	1045	OUT OIL LINE	12
25	1130	FLOW DIRECTED TO TANK	13
25	1200	BYPASS TANK TO GAS FLARE	14
25	1210	SLUG OF CUT MUD & WATER TO SURFACE	15
25	1210	S.S.D. READING 5 M. VOLTS	16
25	1225	FORMATION WATER ONLY AT SURFACE	17
25	1245	S.S.D. READING 0 M. VOLTS	18
			19



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CUSTOMER STATOIL	WELL NAME OR NUMBER 34/10-3	FIELD 34/10	AREA NORWAY
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CUSTOMER REPRESENTED BY G. HELLA	OTIS TEST SUPERVISOR ALAN PATRICK
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DATE	TIME	OPERATIONS	
25	1315	INCREASED CHOKE TO 16/64 POSITIVE	1
25	1320	FLOW DIRECTED TO TANK	2
25	1330	S.S.D. READING 1 M. VOLT	3
25	1335	TANK BYPASSED TO GAS FLARE, PUMP CONTENTS OF TANK	4
25	1400	SLUG OF MUD TO SURFACE S.S.D. READING 4:M. VOLTS	5
25	1415	FORMATION WATER ONLY AT SURFACE	6
25	1435	FLOW DIRECTED THROUGH	7
25	1442	FLOW DIRECTED TO TANK	8
25	1515	S.S.D. READING 1 M. VOLT	9
25	1520	BYPASS TANK TO GAS FLARE - SAND TO SURFACE	10
25	1520	S.S.D. READING 40-60 M. VOLTS	11
25	1535	FORMATION WATER ONLY AT SURFACE	12
25	1535	PUMP CONTENTS OUT OF TANK	13
25	1557	FLOW DIRECTED THROUGH 20/64 POSITIVE CHOKE	14
25	1600	FLOW DIRECTED TO TANK	15
25	1630	SAND TO SURFACE S.S.D. READING 3 M. VOLTS	16
25	1630	BYPASS TANK TO GAS FLARE	17
25	1645	WELL SLUGGING MUD, WATER AND SAND	18
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CUSTOMER

STATOIL

WELL NAME OR NUMBER

34/10-3

FIELD

34/10

AREA

NORWAY

CUSTOMER REPRESENTED BY

G. HELLA

OTIS TEST SUPERVISOR

ALAN PATRICK

DATE	TIME	OPERATIONS	
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1	25	1645	S.S.D. READING 600-800 M. VOLTS	1
2	25	1650	S.S.D. READING 600-800 M. VOLTS	2
3	25	ø655	S.S.D. READING 80-100 M. VOLTS. FLOW DIRECTED	3
4	25	1655	THROUGH 16/64 POSITIVE CHOKE	4
5	25	1700	S.S.D. READING 60-80 M. VOLTS	5
6	25	1702	FLOW DIRECTED THROUGH 20/64 POSITIVE CHOKE	6
7	25	1705	S.S.D, READING 200 M. VOLTS	7
8	25	1715	S.S.D. READING 30 M. VOLTS	8
9	25	1720	S.S.D. READING 40 M. VOLTS	9
10	25	1725	S.S.D. READOMG 25 M. VOLTS	10
11	25	1730	S.S.D. READING 120 M. VOLTS	11
12	25	1735	S.S.D. READING 90 M. VOLTS	12
13	25	1740	S.S.D. READING 70 M. VOLTS	13
14	25	1745	S.S.D. READING 50 M. VOLTS	14
15	25	1750	S.S.D. READING 40 M. VOLTS	15
16	25	1755	S.S.D. READING 35-40 M. VOLTS	16
17	25	1800	S.S.D. READING 40 M. VOLTS	17
18				18
19				19



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CUSTOMER REPRESENTED BY G.HELLA	OTIS TEST SUPERVISOR ALAN PATRICK
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DATE	TIME	OPERATIONS	
25	1805	S.S.D. READING 25 M. VOLTS	1
25	1810	S.S.D. READING 50 M.VOLTS	2
25	1815	S.S.D. READING 50 M. VOLTS	3
25	1820	S.S.D. READING 40 M. VOLTS	4
25	1825	S.S.D. READING 30 M. VOLTS	5
25	1830	S.S.D. READING 20 M. VOLTS	6
25	1835	S.S.D. READING 15M. VOLTS. FLOW DIRECTED TO TANK	7
25	1835	FLOW DIRECTED THROUGH 16/64 POSITIVE CHOKE	8
25	1835	FLOW DIRECTED THROUGH 16/64 POSITIVE CHOKE	9
25	1840	S.S.D. READING 15 M. VOLTS	10
25	1845	S.S.D. READING 15 M. VOLTS	11
25	1850	S.S.D. READING 10 M. VOLTS	12
25	1855	S.S.D. READING 10 M. VOLTS	13
25	1900	S.S.D. READING 20 M. VOLTS	14
25	1900	20/64 POSITIVE CHOKE	15
25	1905	S.S.D. READING 20 M. VOLTS	16
25	1910	S.S.D. READING 10 M. VOLTS	17
			18
			19



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FIELD 34/10

AREA  
NORWAY

CUSTOMER REPRESENTED BY  
G. HELLA

OTIS TEST SUPERVISOR  
ALAN PATRICK

DATE	TIME	OPERATIONS	
25	1910	16/64 POSITIVE CHOKE	1
25	1915	S.S.D. READING 0 M. VOLTS	2
25	1920	WELL SHUT - IN AT A.P.R. AND CHOKE	3
25	2042	COMMENCE REVERSE CIRCULATING THROUGH 20/64 AND	4
25	2042	16/64 POSITIVE CHOKE TO GAS FLARE	5
25	2100	RIG DOWN SURFACE EQUIPMENT	6
25	2215	COMPLETED CIRCULATION. UNSEATED PACKER	7
25	2215	COMMENCE PULLING OUT OF HOLE	8
25	2241	LUBRICATOR VALVE OUT OF HOLE	9
25	2345	S.S.T.T. OUT OF HOLE. CREW STOOD DOWN	10
25	2345	DST 1 COMPLETED	11
			12
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**FIELD READINGS**

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
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CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE	
STATOIL	34\10	SANDSTONE	2.000 (INS)	(BBL) (INS H <sub>2</sub> O)	
TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA			FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING				WATER METERING				
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	#1 TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%AP)	#1 TANK OR METER READING	SALINITY
24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBL)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>f</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBL)	(%)	
1 24	S.S.T.T. THROUGH ROTARY										0.000	0.00	0.000	0		0.0	0.00	0.00	1
1315	0.00	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
2 24	LUBRICATOR VALVE THROUGH ROTARY										0.000	0.00	0.000	0		0.0	0.00	0.00	2
1450	1.58	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
3 24	S.S.T.T. LANDED OFF										0.000	0.00	0.000	0		0.0	0.00	0.00	3
1500	1.75	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
4 24	COMPLETED RIGGING UP S.T.T. & KILL LINE CHIKSANS										0.000	0.00	0.000	0		0.0	0.00	0.00	4
1545	2.50	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
5 24	PRESSURE TESTED KILL LINE TO 5000 PSI - OK.										0.000	0.00	0.000	0		0.0	0.00	0.00	5
1600	2.75	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
6 24	PRESSURE TESTED TEST STRING - SWAB VALVE & FLOW										0.000	0.00	0.000	0		0.0	0.00	0.00	6
1623	3.13	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
7 24	LINE VALVE TO 5000 PSI - OK										0.000	0.00	0.000	0		0.0	0.00	0.00	7
1623	3.13	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
8 24	PACKER SET										0.000	0.00	0.000	0		0.0	0.00	0.00	8
1645	3.50	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
9 24	COMMENCE RIGGING UP ALL SURFACE EQUIPMENT AND										0.000	0.00	0.000	0		0.0	0.00	0.00	9
1650	3.58	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
10 24	CHANGING OUT BALES										0.000	0.00	0.000	0		0.0	0.00	0.00	10
1650	3.58	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
11 24	SURFACE EQUIPMENT HOOKED UP - FLUSH THROUGH										0.000	0.00	0.000	0		0.0	0.00	0.00	11
2020	7.08	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
12 24	LINES PRESS TESTED FRONT VVVS ON HALLIBURTON										0.000	0.00	0.000	0		0.0	0.00	0.00	12
2020	7.08	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
13 24	CHOKE TO 5000 PSI - SUSPECTED LEAK										0.000	0.00	0.000	0		0.0	0.00	0.00	13
2020	7.08	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
14 24	PRESSURE TESTED FRONT VVVS ON HALLIBURTON CHOKE										0.000	0.00	0.000	0		0.0	0.00	0.00	14
2100	7.75	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
15 24	TO 6000 PSI - D.K.										0.000	0.00	0.000	0		0.0	0.00	0.00	15
2100	7.75	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
16 24	PRESSURE TESTED BACK VVVS ON HALLIBURTON CHOKE										0.000	0.00	0.000	0		0.0	0.00	0.00	16
2108	7.88	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
17 24	TO 6000 PSI - DK										0.000	0.00	0.000	0		0.0	0.00	0.00	17
2108	7.88	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00



**FIELD READINGS**

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
DST 1	1	34\10-3	1990-1995	25 MAY 79	3	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE
STATOIL	34\10	SANDSTONE	2.000 (INS)	(BBLs) (INS H <sub>2</sub> O)

TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA				FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING		
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY
	24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>t</sub>	BSW (%)	(INS OR BBLs)	(%)
1 25												0.000	0.00	0.000	0		0.0	0.00	0.00
330	14.25	1940	34	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
2 25												0.000	0.00	0.000	0		0.0	0.00	0.00
345	14.50	1900	34	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
3 25	W/L RETRIEVED WITHOUT TOOLS - MASTER VALV CLOSED																		
350	14.58	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
4 25	SWAB VALVE CLOSED - MASTER VALVE OPENED																		
440	15.42	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
5 25	W/L LUBRICATOR BLED OFF BROKEN OUT AND LAID DOWN																		
500	15.75	1900	34	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
6 25	A.P.R. CLOSED																		
525	16.17	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
7 25	BLED PRESS IN TEST STRING BACK TO 850 PSI TO																		
535	16.33	850	33	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
8 25	FUNCTION TEST A.P.R.																		
535	16.33	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
9 25	OPENED A.P.R. - FUNCTION TEST O.K.																		
558	16.72	850	33	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
10 25												0.000	0.00	0.000	0		0.0	0.00	0.00
600	16.75	1700	33	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
11 25	OPENED WELL ON 8\64 POS CHOKE. FLOW DIRECTED TO																		
617	17.03	1700	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
12 25	TANK. TANK READINGS 19 BBLs																		
617	17.03	1700	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
13 25												0.000	0.00	0.000	0		0.0	0.00	0.00
618	17.05	1650	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
14 25												0.000	0.00	0.000	0		0.0	0.00	0.00
619	17.07	1640	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
15 25												0.000	0.00	0.000	0		0.0	0.00	0.00
620	17.08	1620	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
16 25												0.000	0.00	0.000	0		0.0	0.00	0.00
621	17.10	1605	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
17 25												0.000	0.00	0.000	0		0.0	0.00	0.00
622	17.12	1595	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00





# FIELD READINGS

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
DST 1 1		34\10-3	1990-1995	25MAY79	4	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE (BBLs) (INS H <sub>2</sub> O)
STATOIL	34\10	SANDSTONE	2.000 (INS)	

TEST UNIT DESCRIPTION (#, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME		WELLHEAD DATA			FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING		
DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (*API)	#1 TANK OR METER READING	SALINITY	
24 HR CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	#2 TANK OR METER READING (INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>i</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBLs)	(%)	
25											0.000	0.00	0.000	0		0.0	0.00	1	
635	17.33	1580	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	2	
623	41.13	1580	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	3	
624	41.15	1560	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	4	
625	41.17	1560	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	5	
626	41.18	1550	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	6	
627	41.20	1540	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	7	
628	41.22	1540	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	8	
629	41.23	1530	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25	WELL SHUT-IN AT A.P.R. TANK READINGS 22 BBLs										9	0.000	0.00	0.000	0		0.0	0.00	9
630	41.25	1530	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25	WELL FLOWED 3 BBLs										10	0.000	0.00	0.000	0		0.0	0.00	10
630	41.25	1530	32	0	8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25	OPENED WELL ON 12\64 POS CHOKE. FLOW DIRECTED										11	0.000	0.00	0.000	0		0.0	0.00	11
733	42.30	1490	34	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25	TO TANK, TANK READING 22 BBLs										12	0.000	0.00	0.000	0		0.0	0.00	12
733	42.30	1490	34	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	13	
734	42.32	1490	34	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	14	
735	42.33	1500	34	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	15	
736	42.35	1510	34	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	16	
737	42.37	1510	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
25											0.000	0.00	0.000	0		0.0	0.00	17	
738	42.38	1510	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	



# FIELD READINGS

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE (DAY MO. YR.)	PAGE	OF
DST 1 1		34\10-3	1990-1995	25 MAY 79	5	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE
STATOIL	34\10	SANDSTONE	2.000 (INS)	(BBLs) (INS H <sub>2</sub> O)

TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME		WELLHEAD DATA			FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING		
DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY	
24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	#2 TANK OR METER READING (INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>t</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBLs)	(%)	
1	25										0.000	0.00	0.000	0		0.0	0.00	1	
739	42.40	1510	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
2	25										0.000	0.00	0.000	0		0.0	0.00	2	
740	42.42	1510	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
3	25										0.000	0.00	0.000	0		0.0	0.00	3	
745	42.50	1510	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
4	25										0.000	0.00	0.000	0		0.0	0.00	4	
750	42.58	1515	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
5	25										0.000	0.00	0.000	0		0.0	0.00	5	
755	42.67	1505	36	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
6	25										0.000	0.00	0.000	0		0.0	0.00	6	
800	42.75	1505	40	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
7	25										0.000	0.00	0.000	0		0.0	0.00	7	
805	42.83	1505	40	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
8	25										0.000	0.00	0.000	0		0.0	0.00	8	
810	42.92	1500	40	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
9	25										0.000	0.00	0.000	0		0.0	0.00	9	
815	43.00	1490	44	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
10	25										0.000	0.00	0.000	0		0.0	0.00	10	
820	43.08	1490	44	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
11	25										0.000	0.00	0.000	0		0.0	0.00	11	
825	43.17	1490	44	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
12	25	BYPASS TANK TO GAS FLARE. TANK READING 60.5 BBLs										0.000	0.00	0.000	0		0.0	0.00	12
830	43.25	1490	43	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
13	25	WELL FLOWED 41.5 BBLs										0.000	0.00	0.000	0		0.0	0.00	13
830	43.25	1490	43	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
14	25	PUMPED TANK CONTENTS OUT OIL LINE										0.000	0.00	0.000	0		0.0	0.00	14
835	43.33	1480	43	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
15	25	MUD TO SURFACE										0.000	0.00	0.000	0		0.0	0.00	15
838	43.38	1480	43	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
16	25										0.000	0.00	0.000	0		0.0	0.00	16	
840	43.42	1550	44	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	
17	25										0.000	0.00	0.000	0		0.0	0.00	17	
845	43.50	1600	47	0	12	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	

**FIELD READINGS**

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
DST 1	1	34\10-3	1990-1995	25MAY79	6	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE (BBLs) (INS H <sub>2</sub> O)	
STATOIL	34\10	SANDSTONE	2.000 (INS)		
TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input checked="" type="checkbox"/> FLARE <input type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA			FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING			
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY
24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>f</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBLs)	(%)	
1 25	FORMATION WATER AND MUD TO SURFACE																		
850	43.58	1630	50	0	12	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
2 25	FORMATION WATER, S.S.D. READING 3 M. VOLTS																		
855	43.67	1630	47	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	2.0	0.00	0.00	0.00
3 25																			
900	43.75	1630	44	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
4 25																			
905	43.83	1635	46	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
5 25	S.S.D. READING 4 M. VOLTS																		
910	43.92	1630	47	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.3	0.00	0.00	0.00
6 25																			
915	44.00	1630	47	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
7 25																			
930	44.25	1630	49	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.2	0.00	0.00	0.00
8 25																			
945	44.50	1630	52	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
9 25																			
1000	44.75	1635	54	0	12	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
10 25	INCREASED TO 14\64 POSITIVE CHOKE																		
1011	44.93	1635	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
11 25	FLOW DIRECTED TO TANK																		
1015	45.00	1640	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	10.00	0.00
12 25																			
1030	45.25	1635	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
13 25	BYPASS TANK TO GAS FLARE, PUMPED TANK CONTENTS																		
1045	45.50	1635	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.1	0.00	32.50	0.00
14 25	OUT OIL LINE																		
1045	45.50	1635	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
15 25	0																		
1100	45.75	1635	56	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
16 25																			
1115	46.00	1635	57	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
17 25	FLOW DIRECTED TO TANK																		
1130	46.25	1620	58	0	14	0	0.000	0	0	0	0.000	0.00	0.0	0	0.00	0.1	0.00	10.50	0.00



# FIELD READINGS

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE (DAY MO. YR.)	PAGE	OF
DST 1 1	34\10-3	1990-1995	25 MAY 79	7	11	

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE
STATOIL	34\10	SANISTONE	2.000 (INS)	(BBL) (INS H <sub>2</sub> O)

TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.741 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA				FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING		
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	#1 TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY (%)
	24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	#2 TANK OR METER READING (INS OR BBL)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>t</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBL)	
1 25												0.000	0.00	0.000	0		0.0	0.00	1
1145	46.50	1620	62	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
2 25	BYPASS TANK TO GAS FLARE											0.000	0.00	0.000	0		0.0	37.00	2
1200	46.75	1620	63	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
3 25	SLUG OF GAS CUT MUD & WATER TO SURFACE											0.000	0.00	0.000	0		0.0	0.00	3
1210	46.92	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
4 25	S.S.D. READING 5 M.VOLTS											0.000	0.00	0.000	0		0.0	0.00	4
1210	46.92	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	12.0	0.00	0.00	
5 25												0.000	0.00	0.000	0		0.0	0.00	5
1215	47.00	1645	64	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
6 25	FORMATION WATER ONLY AT SURFACE											0.000	0.00	0.000	0		0.0	0.00	6
1225	47.17	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00
7 25												0.000	0.00	0.000	0		0.0	0.00	7
1230	47.25	1650	67	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.2	0.00	0.00	0.00
8 25	S.S.D. READING 0 M.VOLTS											0.000	0.00	0.000	0		0.0	0.00	8
1245	47.50	1655	68	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
9 25												0.000	0.00	0.000	0		0.0	0.00	9
1300	47.75	1655	70	0	14	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
10 25	INCREASED CHOKE TO 16\64 POSITIVE											0.000	0.00	0.000	0		0.0	0.00	10
1315	48.00	1655	73	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
11 25	FLOW DIRECTED TO TANK											0.000	0.00	0.000	0		0.0	37.00	11
1320	48.08	1635	74	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
12 25	S.S.D. READING 1 M.VOLT											0.000	0.00	0.000	0		0.0	48.50	12
1330	48.25	1635	74	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
13 25												0.000	0.00	0.000	0		0.0	0.00	13
1345	48.50	1635	78	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
14 25	TANK BYPASSED TO GAS FLARE, PUMP CONTENTS OF TANK											0.000	0.00	0.000	0		0.0	76.50	14
1355	48.67	0	0	0	0	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
15 25												0.000	0.00	0.000	0		0.0	0.00	15
1400	48.75	1635	80	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00
16 25	SLUG OF MUD TO SURFACE S.S.D. READING 4 M.VOLTS											0.000	0.00	0.000	0		0.0	0.00	16
1400	48.75	1635	80	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
17 25	FORMATION WATER ONLY AT SURFACE											0.000	0.00	0.000	0		0.0	0.00	17
1415	49.00	1635	80	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.1	0.00	0.00	0.00



# FIELD READINGS

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE (DAY MO. YR.)	PAGE	OF
DST 1 1		34\10-3	1990-1995	25 MAY 79	8	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE
STATOIL	34\10	SANDSTONE	2,000 (INS)	(BBLs) (INS H <sub>2</sub> O)

TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA				FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING			
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY	
24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>t</sub>	BSW (%)	#2 TANK OR METER READING (INS OR BBLs)	(%)		
1 25																				
1430	49.25	1635	80	0	16	0	0.000	0	0	0	0.000	0.00	0.00	0	0.00	0.0	0.0	0.00	0.00	
2 25	FLOW DIRECTED THROUGH 16\64 AND 8\64 POS CHOKE										2	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1435	49.33	1635	80	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
3 25	FLOW DIRECTED TO TANK										3	0.000	0.00	0.000	0		0.0	10.00	0.00	0.00
1442	49.45	1600	80	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
4 25																				
1445	49.50	1595	80	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.1	0.0	0.00	0.00	
5 25																				
1500	49.75	1635	85	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
6 25	S.S.D. READING 1 M.VOLT										6	0.000	0.00	0.000	0		0.0	58.00	0.00	0.00
1515	50.00	1635	86	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
7 25	BYPASS TANK TO GAS FLARE - SAND TO SURFACE										7	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1520	50.08	1635	86	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
8 25	S.S.D. READING 40-60 M.VOLTS										8	0.000	0.00	0.000	0		0.0	64.00	0.00	0.00
1520	50.08	1635	86	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
9 25	FORMATION WATER ONLY AT SURFACE										9	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1535	50.33	1635	88	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
10 25	PUMP CONTENTS OUT OF TANK										10	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1535	50.33	1635	88	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
11 25																				
1545	50.50	1635	88	0	16+8	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
12 25	FLOW DIRECTED THROUGH 20\64 POSITIVE CHOKE										12	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1557	50.70	1590	87	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
13 25	FLOW DIRECTED TO TANK										13	0.000	0.00	0.000	0		0.0	10.00	0.00	0.00
1600	50.75	1590	89	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
14 25																				
1615	51.00	1590	95	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
15 25	SAND TO SURFACE S.S.D. READING 3 M.VOLTS										15	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1630	51.25	1595	95	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
16 25	BYPASS TANK TO GAS FLARE										16	0.000	0.00	0.000	0		0.0	65.00	0.00	0.00
1630	51.25	1595	95	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	
17 25	WELL SLUGGING MUD, WATER AND SAND										17	0.000	0.00	0.000	0		0.0	0.00	0.00	0.00
1645	51.50	1600	98	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.0	0.00	0.00	



# FIELD READINGS

Single Stage Unit  
OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
DST 1 1	34\10-3	1990-1995	25 MAY 79	9	11	

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE
STATOIL	34\10	SANDSTONE	2,000 (INS)	(BBLs) (INS H <sub>2</sub> O)

TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10" 3 PHASE	PIPELINE <input checked="" type="checkbox"/> FLARE <input type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA			FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING			
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	#1 TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (%API)	#1 TANK OR METER READING	SALINITY
24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>f</sub>	BSW (%)	(INS OR BBLs)	(%)	
1 25	S.S.D. READING	600-800 M.VOLTS																	
1645	51.50	1600	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
2 25	S.S.D. READING	600-800 M.VOLTS																	
1650	51.58	1605	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
3 25	S.S.D. READING	80-100 M.VOLTS. FLOW DIRECTED																	
1655	51.67	1610	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
4 25	THROUGH 16\64	POSITIVE CHOKE																	
1655	51.67	1610	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
5 25	S.S.D. READING	60-80 M.VOLTS																	
1700	51.75	1685	96	0	16	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
6 25	FLOW DIRECTED	THROUGH 20\64	POSITIVE CHOKE																
1702	51.78	1615	92	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
7 25	S.S.D. READING	200 M.VOLTS																	
1705	51.83	1615	92	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
8 25	S.S.D. READING	30 M.VOLTS																	
1715	52.00	1615	97	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
9 25	S.S.D. READING	40 M.VOLTS																	
1720	52.08	1615	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
10 25	S.S.D. READING	25 M.VOLTS																	
1725	52.17	1615	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
11 25	S.S.D. READING	120 M.VOLTS																	
1730	52.25	1615	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
12 25	S.S.D. READING	90 M.VOLTS																	
1735	52.33	1615	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.4	0.00	0.00	0.00
13 25	S.S.D. READING	70 M.VOLTS																	
1740	52.42	1620	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
14 25	S.S.D. READING	50 M.VOLTS																	
1745	52.50	1620	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.2	0.00	0.00	0.00
15 25	S.S.D. READING	40 M.VOLTS																	
1750	52.58	1620	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
16 25	S.S.D. READING	35-40 M.VOLTS																	
1755	52.67	1620	98	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00
17 25	S.S.D. READING	40 M.VOLTS																	
1800	52.75	1620	100	0	20	0	0.000	0	0	0	0.000	0.00	0.000	0	0.00	0.0	0.00	0.00	0.00



# FIELD READINGS

Single Stage Unit

OEC - 905-1

TEST NO.	RATE NO.	WELL NAME OR NUMBER	INTERVAL TESTED (FT.)	DATE(DAY MO. YR.)	PAGE	OF
DST 1	1	34\10-3	1990-1995	25 MAY 79	10	11

CUSTOMER	FIELD	FORMATION	COND./OIL METER SIZE	METER/DIFF. RANGE	
STATOIL	34\10	SANDSTONE	2,000 (INS)	(BBLs) (INS H <sub>2</sub> O)	
TEST UNIT DESCRIPTION (*, SIZE, ETC.)	GAS PRODUCED TO	GAS MEASURED WITH	GAS METER RUN SIZE	DIFF. RANGE (INS. H <sub>2</sub> O)	STATIC PRESSURE TAKEN
NATCO 48" X 10' 3 PHASE	PIPELINE <input type="checkbox"/> FLARE <input checked="" type="checkbox"/>	4" <input type="checkbox"/> 2" CRITICAL FLOW PROVER <input type="checkbox"/>	5.761 (INS)	0-100	UPSTREAM <input type="checkbox"/> DOWNSTREAM <input checked="" type="checkbox"/>

TIME	WELLHEAD DATA				FLOW CONTROL		GAS METERING					OIL OR CONDENSATE METERING					WATER METERING		
	DAY	FLOW OR SHUT IN DURATION	TUBING PRESSURE	TEMP.	CASING PRESSURE	MANIFOLD CHOKE SIZE	HEATER CHOKE SIZE	ORIFICE SIZE	STATIC PRESSURE	DIFF. PRESS.	TEMP.	GAS GRAVITY (AIR=1)	# TANK OR METER READING	COND. METER ORIFICE SIZE (INS)	#1 OIL TEMP.	WEATHERING FACTOR	OIL GRAVITY @60°F (°API)	#1 TANK OR METER READING	SALINITY
	24 HR. CLOCK	(HOURS)	(PSIG)	(°F)	(PSIG)	(64th INCH)	(64th INCH)	(INS)	(PSIG)	(INS H <sub>2</sub> O)	(°F)	% H <sub>2</sub> S	(INS OR BBLs)	COND. METER DIFF. PRESS. (INS H <sub>2</sub> O)	#2 OIL TEMP.	W <sub>i</sub>	BSW (%)	(INS OR BBLs)	(%)
1 25	S.S.D. READING	25 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1805	52.83	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
2 25	S.S.D. READING	50 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1810	52.92	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
3 25	S.S.D. READING	50 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1815	53.00	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
4 25	S.S.D. READING	40 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1820	53.08	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
5 25	S.S.D. READING	30 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1825	53.17	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
6 25	S.S.D. READING	20 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1830	53.25	1620	100	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
7 25	S.S.D. READING	15 M.VOLTS.										0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1835	53.33	1620	100	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
8 25	FLOW DIRECTED THROUGH 16\64 POSITIVE CHOKE											0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1835	53.33	1620	100	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
9 25	FLOW DIRECTED THROUGH 16\64 POSITIVE CHOKE											0.000	0.00	0.000	0	0.00	0.0	0.00	10.00
1835	53.33	1620	100	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
10 25	S.S.D. READING	15 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	18.00
1840	53.42	1695	98	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
11 25	S.S.D. READING	15 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	24.00
1845	53.50	1690	93	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
12 25	S.S.D. READING	10 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	30.00
1850	53.58	1690	92	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
13 25	S.S.D. READING	10 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	37.00
1855	53.67	1690	92	0	16	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
14 25	S.S.D. READING	20 M.VOLTS.										0.000	0.00	0.000	0	0.00	0.0	0.00	44.00
1900	53.75	1615	92	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
15 25	20\64 POSITIVE CHOKE											0.000	0.00	0.000	0	0.00	0.0	0.00	0.00
1900	53.75	1615	92	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
16 25	S.S.D. READING	20 M.VOLTS										0.000	0.00	0.000	0	0.00	0.0	0.00	53.00
1905	53.83	1615	92	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00
17 25	S.S.D. READING	10 M.VOLTS.										0.000	0.00	0.000	0	0.00	0.0	0.00	63.00
1910	53.92	1615	98	0	20	0	0.000	0	0	0	0.00	0.00	0.0	0	0.00	0.0	0.00	0.00	0.00

















