Appendix D3

Clovis 3 Field Data Sheets

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C31
CLOVIS
5/24/2005
[illegible]
4206
IME 1335
1540

12 in
0.973
1.752

@:
ΔH/ΔP = 20.0

FIELD DATA RECORD

M 0.84
0.375 in
4

M AIN [illegible]
22 in. ~~H_2O~~ Hg OK
AFTER 12 in. ~~H_2O~~ Hg OK
PITOT TUBE LEAK TEST
BEFORE 4½" H_2O OK AFTER 5" H_2O OK

1 1
LA MI CLOVIS SPECIALT
85
60
A 29.56
A 2O) -0.20
O %) 1.0
M %) 20.9
UI O %) <1
M %) 29.80
M %

POINT	CLOCK TIME	DRY GAS METER (cu. ft.)	VELOCITY dP (in. H2O)	ORIFICE dH (in. H2O) DESIRED	ORIFICE dH (in. H2O) ACTUAL	TEMPERATURES (F) STACK	PROBE	FILTER	RESIN	IMPGR	PUMP VAC (in. Hg)
START	0	381.340	—	—	—	—	—	—	—	—	—
1	5	385.40	0.10	2.0	2.0	85				63	6½
2	10	389.35	0.09	1.80	1.80	87				56	6
3	15	393.50	0.10	2.0	2.0	88				55	6½
4	20	397.50	0.10	2.0	2.0	89				54	6½
5	25	401.4	0.09	1.80	1.80	90				54	6
6	30	405.75	0.11	2.2	2.2	90				55	7
7	35	409.9	0.10	2.0	2.0	92				54	6½
8	40	414.3	0.12	2.4	2.4	90				55	7½
9	45	418.75	0.12	2.4	2.4	91				55	7½
10	50	423.20	0.12	2.4	2.4	91				55	7½
11	55	427.65	0.12	2.4	2.4	91				55	7½
12	60	432.095	0.12	2.4	2.4	91				55	7½
1	65	436.67	0.13	2.6	2.6	90				60	8
2	70	441.03	0.11	2.2	2.2	90				56	7½
3	75	445.28	0.11	2.2	2.2	90				56	7½
4	80	449.38	0.10	2.0	2.0	92				57	7
5	85	453.60	0.11	2.2	2.2	92				57	7
6	90	457.95	0.12	2.4	2.4	93				57	7½
7	95	462.53	0.13	2.6	2.6	93				57	8
8	100	467.27	0.14	2.8	2.8	93				57	8½
9	105	472.03	0.14	2.8	2.8	93				57	8½
10	110	476.78	0.14	2.8	2.8	93				57	8½
11	115	481.53	0.14	2.8	2.8	93				57	8½
12	120	486.425	0.15	3.0	3.0	93				58	9½
	Theta: 120	Vm: 105.085	avg dP: 0.34		avg dH: 2.34	avg Ts 90.8					

NE
W
E

FIELD DATA RECORD

PAGE 1 of

C32
CLOVIS
5/25/2005 [illegible]
ANGUS [illegible]
NO. 4206
0915
/STOP

PITOT TUBE FACTOR 0.84
NOZZLE DIAMETER 0.375 in.
PROBE LENGTH 4 ft.

PROJECT NO. Clovis J
PLANT NAME CLOVIS SPECIALTY
AMBIENT TEMP (F) 80 - 90
METER TEMP (F) 60
BAR. PRESS ("Hg) 29.57
STATIC PRESSURE ("H2O) -0.21
ASSUMED MOISTURE (%) 1.0
ASSUMED O2 (%) 20.9
ASSUMED CO2 (%) <1.0
ASSUMED MW (WET, %) 28.8 (28.8)
ASSUMED MW (DRY, %) 28.7

SAMPLE TRAIN LEAK TEST
BEFORE 17½ in. ~~H2O~~ Hg OK
AFTER 20 in. ~~H2O~~ Hg ok
PITOT TUBE LEAK TEST
BEFORE 4.2" H2O OK AFTER 4.5 ok

STACK DIAMETER 12"
Ym: 0.973
H@: 1.752
K=ΔH/ΔP=20.0

	POINT	CLOCK TIME	DRY GAS METER (cu. ft.)	VELOCITY dP (in. H2O)	ORIFICE dH (in. H2O) DESIRED	ORIFICE dH (in. H2O) ACTUAL	TEMPERATURES (F) STACK	PROBE	FILTER	RESIN	IMPGR	PUMP VAC (in. Hg)
0	START	0	492.410	—	—	—						
NE 1	1	5	495.85	0.07	1.40	1.40	82				66	10
2	2	10	499.95	0.10	2.0	2.0	83				61	15
3	3	15	504.12	0.10	2.0	2.0	83				58	16
4	4	20	508.26	0.10	2.0	2.0	84				56	16
5	5	25	512.25	0.09	1.8	1.8	85				56	15½
6	6	30	516.28	0.10	2.0	2.0	86				56	16
7	7	35	520.50	0.11	2.2	2.2	86				56	17
8	8	40	524.77	0.13	2.6	2.4	85				55	19
9	9	45	529.02	0.13	2.6	2.3 mx	85				55	20
10	10	50	532.44	0.12	2.4	2.3 mx	86				56	20
11	11	55	538	0.12	2.4	2.3	86				55	20
12	12	60	541.68	0.10	2.0	2.1	85				55	20
13	1	65	545.52	0.09	1.8	1.8	85				53	16
14	2	70	549.65	0.10	2.0	2.0	86				51	20
15	3	75	553.80	0.10	2.0	2.0	85				52	20
16	4	80	557.95	0.10	2.0	2.0	87				52	20
17	5	85	562.11	0.10	2.0	2.0	86				52	20
18	6	90	566.25	0.10	2.0	2.0	87				53	20
19	7	95	570.43	0.10	2.0	2.0	87				53	20
20	8	100	574.54	0.12	2.4	2.1 mx	88				53	20
21	9	105	578.74	0.12	2.4	2.1 mx	89				54	20
22	10	110	582.85	0.11	2.2	2.1	89				54	20
23	11	115	587.00	0.10	2.0	2.0	89				54	20
24	12	120	591.19	0.10	2.0	2.0	89				54	20
		Theta:	Vm: 98.78	avg dP: 0.32		avg dH: 2.04	avg 86					

RUN NO. C33
LOCATION
DATE 5/25/05 pm
OPERATOR
METER BOX NO. 4206
LOCAL TIME
START/STOP 1230 / 1440

STACK DIAMETER 12"
Ym:
ΔH@: 20

PITOT TUBE FACTOR 0.84
NOZZLE DIAMETER 3/8 in.
PROBE LENGTH 4 ft.

SAMPLE TRAIN LEAK TEST
BEFORE 18 in. ~~H2O~~ Hg ok
AFTER 23 in. ~~H2O~~ Hg OK
PITOT TUBE LEAK TEST
BEFORE 4.5 ok AFTER 4½ OK

of
PROJECT NO. 04-018
PLANT NAME Clovis 3
AMBIENT TEMP (F) 90
METER TEMP (F) 60
BAR. PRESS ("Hg) 29.57
STATIC PRESSURE ("H2O) -0.20
ASSUMED MOISTURE (%) 1.0
ASSUMED O2 (%) 20.9
ASSUMED CO2 (%) <1
ASSUMED MW (WET, %)
ASSUMED MW (DRY, %)

OINT	CLOCK TIME	DRY GAS METER (cu. ft.)	VELOCITY dP (in. H2O)	ORIFICE dH (in. H2O) DESIRED	ACTUAL	TEMPERATURES (F) STACK	PROBE	FILTER	RESIN	IMPGR	PUMP VAC (in. Hg)
0 START	0	591.40									
1 N10-1		595.24	~~0.07~~ 0.09	1.8	1.8	89				54	11
2		599.	~~0.07~~ 0.09	1.8	1.8	91				51	11
3		602.81	0.07	1.4	1.4	91					
4 4	20	606	0.08	1.6	1.6	92					
	25	610.38	0.09	1.8	1.8	91				51	
6	30	614.40	0.10	2.0	2.0	92				50	11
	35	618.53	0.11	2.2	2.2	92				50	
8	40	622.67	0.11	2.2	2.2	92				50	
9	45	627.00	0.12	2.4	2.4	92					
10 10	50	631.50	0.13	2.6	2.6	92					
11 11		635.76	0.11	2.2	2.2	92				50	13
12 12	60	639.980	0.11	2.2	2.2	92					13
13 NE 1	65	644.69	0.15	3.0	2.9	90					
14 2		648.67	0.09	1.8	1.8	91				50	
15 3		652.65	0.10	2.0	2.0	90				50	
16 4		656.55	0.09	1.8	1.8	92				51	
17 5		660.48	0.10	2.0	2.0	93				51	10½
18 6		664.40	0.10	2.0	2.0	93				51	10½
19 7		668.70	0.12	2.4	2.4	93				51	14
20 8		673.05	0.12	2.4	2.4	94				51	14
21 9	105	677.60	0.13	2.6	2.6	93				52	15
22 10		682.14	0.13	2.6	2.6	94				51	17
23 11		686.57	0.12	2.4	2.4	94				50	15
24 12	120	690.985	0.12	2.4	2.4	94				50	15
		Vm: 99.585	avg √dP: 0.32		avg dH: 2.146	avg Ts 92.4					