

WEST-TEST, INC.

A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY
Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: LOUIS DREYFUS NATURAL GAS CORPORATION

DATE: JULY 17, 1997

WELL NAME: BARBADOS STATE NO.1

JUL 25 1997
W.O. #: 97-14-1202

EDDY COUNTY, NEW MEXICO

32-225-26E

3C-CIS-27558

PERFS = 3672-4450

PACKER DEPTH = 3110

BHP GAUGE DEPTH = SURFACE ONLY

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)-(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
1	9:10	593.4				593.4		
	9:15	575.2	1.4	403.2	6.527	568.7	11.76	
	9:20	592.8	2.8	403.2	6.527	586.3	11.76	
	9:25	607.8	4.2	403.2	6.527	601.3	11.76	
2				403.2				
	9:30	608.7	6.3	604.8	13.818	594.9	17.64	
	9:35	608.4	8.5	633.6	15.060	593.3	18.48	
	9:40	608.0	10.6	604.8	13.818	594.2	17.64	
3				614.4				
	9:45	614.0	14.0	979.2	33.697	580.3	28.56	
	9:50	620.1	17.1	892.8	28.404	591.7	26.04	
	9:55	614.6	20.4	950.4	31.886	582.7	27.72	
4				940.8				
	10:00	653.9	25.5	1468.8	71.344	582.6	42.84	
	10:05	662.6	30.7	1497.6	73.954	588.6	43.68	
	10:10	677.7	35.9	1497.6	73.954	603.7	43.68	
5				1488.0				
	10:15	718.4	42.9	2016.0	128.170	590.2	58.80	
	10:20	732.2	50.0	2044.8	131.578	600.6	59.64	
	10:25	720.5	57.0	2016.0	128.170	592.3	58.80	
6				2025.6				
	10:30	786.9	65.9	2563.2	199.860	587.0	74.76	
	10:35	787.9	74.8	2563.2	199.860	588.0	74.76	
	10:40	774.9	83.8	2592.0	204.034	570.9	75.60	
7				2572.8				
	10:45	858.0	94.5	3081.6	281.005	577.0	89.88	
	10:50	850.1	105.3	3110.4	285.883	564.2	90.72	
	10:55	850.0	116.0	3081.6	281.005	569.0	89.88	
				3091.2				

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1) - (4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
8	11:00	573.2	122.0	1728.0	96.368	476.8	50.40	
	11:05	925.2	131.3	2678.4	216.794	708.4	78.12	
	11:10	919.9	143.9	3628.8	380.224	539.7	105.84	
9	11:15	1000.5	157.9	2678.4				
	11:20	1001.6	172.1	4032.0	462.052	538.4	117.60	
	11:25	1001.5	186.2	4089.6	474.337	527.3	119.28	
10	11:30	1091.0	202.0	4060.8	468.176	533.3	118.44	
	11:35	1092.2	218.4	4060.8				
	11:40	1093.3	233.7	4550.4	577.922	513.1	132.72	
11	11:45	1188.0	250.9	4723.2	619.177	473.0	137.76	
	11:50	1184.1	268.2	4406.4	544.544	548.8	128.52	
	11:55	1176.3	285.4	4560.0				
FALLOFF	11:56	SHUTDOWN		4953.6	676.210	511.8	144.48	
	11:57	646.0		4982.4	683.501	500.6	145.32	
	11:58	602.4		4953.6	676.210	500.1	144.48	
	11:59	599.8		4963.2				
	12:00	599.8						
	12:01	599.8						
	12:02	599.8						
	12:03	599.8						
	12:04	599.7						
	12:05	599.7						
	12:10	599.7						

STEP RATE INJECTION TEST

LOUIS DREYFUS NATURAL GAS CORPORATION

Well Name:
BARBADOS STATE No. 1
EDDY COUNTY, NEW MEXICO

