



PARALLEL

Petroleum Corporation

1004 North Big Spring, Suite 400 • Midland, TX 79701 • Ph: 432-684-3727 • Fax: 432-685-6580

August 24, 2006

New Mexico Oil conservation Division
1301 W. Grand Ave.
Artesia, New Mexico 88210

Re: Hydrogen Sulfide Potential
Hagerman Area Wolfcamp Program
Chavez County, New Mexico

30 - 005 - 63786

Gentlemen:

Parallel Petroleum Corporation operates the Seabiscuit #1 and the Seabiscuit #2 wells located in Section 33, T-14-S, R-26-E and the Dash for Cash #1 in Section 4, T-15-S, R-26-E. These wells were tested in the Wolfcamp formation and did not have any indications of hydrogen sulfide from this formation. Please see the gas analysis attached to this letter. We believe the potential for H₂S on locations in this area are negligible.

Should you need any additional information regarding this issue, please contact me at the address or phone number listed above.

Sincerely,

Deane Durham
Drilling Engineer

Wildcat Measurement Service
P.O. Box 1836
Artesia, New Mexico 88211-1836
TollFree #888-421-9453
Office #505-746-3481
"Quality and Service is our First Concern"

PDS 06/25/00

Run No. 260728-02
Date Run 07/28/2006
Date Sampled 07/27/2006

Analysis for: PARALLEL PETROLEUM CORPORATION

GPANGL.L62

Well Name: SEABISCUIT #2

Field:

Sta. Number:

Purpose: SPOT

Sampling Temp: 60 DEG F

Volume/day:

Pressure on Cylinder: 576 PSIG

Producer: PARALLEL PETROLEUM CORP.

County: CHAVES

State: NM

Sampled By: DON NORMAN

Atmos Temp: 90 DEG F

Formation:

Line Pressure: 589.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 14.7300

	Mol %	GPM
Carbon Dioxide CO2	3.8765	
Nitrogen N2	1.1954	
Hydrogen Sulfide H2S	0.0000	
Methane C1	84.4558	
Ethane C2	6.1856	1.6534
Propane C3	2.4877	0.6850
Iso-Butane IC4	0.3548	0.1161
Nor-Butane NC4	0.7054	0.2224
Iso-Pentane IC5	0.1941	0.0710
Nor-Pentane NC5	0.1929	0.0699
Hexanes Plus C6+	0.3518	0.1535
TOTAL	100.0000	2.9711

Real BTU Dry: 1098.66
Real BTU Wet: 1079.53
Real Calc. Specific Gravity: 0.6842
Field Specific Gravity: 0.0000

Standard Pressure: 14.6960
BTU Dry: 1093.16
BTU Wet: 1074.14

Z Factor: 0.9973
N Value: 1.2930
Avg Mol Weight: 19.7705
Avg CuPt/Gal: 56.9423
26 Lb Product: 0.4521
Methane+ GPM: 17.2860
Ethane+ GPM: 2.9711
Propane+ GPM: 1.3178
Butane+ GPM: 0.6328
Pentane+ GPM: 0.2944

REMARKS:
H2S IN GAS STREAM: NONE DETECTED

Approved by: DON NORMAN

Fri Jul 28 15:04:04 2006

RECEIVED

AUG 09 2006

PLLL - MIDLAND

Wildcat Measurement Service
P.O. Box 1836
Artesia, New Mexico 88211-1836
TollFree #888-421-9453
Office #505-746-3481
"Quality and Service is our First Concern"

PDS 06/25/00

Run No. 260728-01
Date Run 07/28/2006
Date Sampled 07/27/2006

Analysis for: PARALLEL PETROLEUM CORPORATION

GPANGL.L62

Well Name: DASH FOR CASH #1

Field:

Sta. Number:

Purpose: SPOT

Sampling Temp: 60 DEG F

Volume/day:

Pressure on Cylinder: 733 PSIG

Producer: PARALLEL PETROLEUM CORP.

County: CHAVES

State: NM

Sampled By: DON NORMAN

Atmos Temp: 91 DEG F

Formation:

Line Pressure: 746.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 14.7300

	Mol %	GPM
Carbon Dioxide CO2	5.6514	
Nitrogen N2	1.8667	
Hydrogen Sulfide H2S	0.0000	
Methane C1	80.6277	
Ethane C2	6.7430	1.8023
Propane C3	3.0262	0.8332
Iso-Butane IC4	0.4434	0.1450
Nor-Butane NC4	0.8870	0.2796
Iso-Pentane IC5	0.2361	0.0864
Nor-Pentane NC5	0.2341	0.0848
Hexanes Plus C6+	0.2844	0.1241
TOTAL	100.0000	3.3555

Real BTU Dry: 1092.27
Real BTU Wet: 1073.26
Real Calc. Specific Gravity: 0.7159
Field Specific Gravity: 0.0000

Standard Pressure: 14.6960
BTU Dry: 1086.59
BTU Wet: 1067.68

Z Factor: 0.9971
N Value: 1.2913
Avg Mol Weight: 20.6848
Avg CuPt/Gal: 56.8397
26 Lb Product: 0.4422
Methane+ GPM: 17.0215
Ethane+ GPM: 3.3555
Propane+ GPM: 1.5531
Butane+ GPM: 0.7199
Pentane+ GPM: 0.2953

REMARKS:
H2S IN GAS STREAM: NONE DETECTED

Approved by: DON NORMAN

Fri Jul 28 15:04:04 2006

