

API 30-045-29885

1000 Rio Brazos Road
Aztec, New Mexico

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)



Date of Test 5/17/2006 Operator Burlington Resources Oil & Gas

Lease Name HUERFANITO UNIT CO Well No 174 Location: U P Sec. 24 Twp. 027N Rge. 009W

Pressure (Shut-in) Dwt Tubing 10 Intermediate _____ Casing 32 Bradenhead 15

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH.

TIME:	PRESSURES:		BRADENHEAD FLOWED:	INTERMEDIATE FLOWED:
	INTERMEDIATE	CASING		
5 Min.		42	Steady Flow	X
10 Min.		42	Surges	
15 Min.		42	Down to Nothing	
20 Min.		42	Nothing	
25 Min.		42	Gas	
30 Min.		42	Gas & Water	X
			Water	X

If Bradenhead flowed water, check description below:

Clear _____

Fresh _____

Salty _____

Sulfur _____

Black X

Remarks: _____

Ending: BH Press.: 11 Interm. Press. _____

By DENNIS JACQUEZ 309
Lease Operator
Position

Witness

OIL CONSERVATION DIVISION

API # 30-045-29885

1000 Rio Brazos Road
Aztec, New Mexico

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 6/26/2006 Operator Burlington Resources Oil & Gas

Lease Name HUERFANITO UNIT C Well No 174 Location: U P Sec. 24 Twp. 027N Rge. 009W

Pressure (Shut-in) Dwt Tubin 20 Intermediate Casing 32 Bradenhead 13

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH.

TIME:	PRESSURES:		BRADENHEAD FLOWED:	INTERMEDIATE FLOWED:
	INTERMEDIATE	CASING		
5 Min.	<u> </u>	<u>42</u>	Steady Flow <u>X</u>	<u> </u>
10 Min.	<u> </u>	<u>42</u>	Surges <u> </u>	<u> </u>
15 Min.	<u> </u>	<u>42</u>	Down to Nothing <u> </u>	<u> </u>
20 Min.	<u> </u>	<u>42</u>	Nothing <u> </u>	<u> </u>
25 Min.	<u> </u>	<u>42</u>	Gas <u> </u>	<u> </u>
30 Min.	<u> </u>	<u>42</u>	Gas & Water <u>X</u>	<u> </u>
			Water <u>X</u>	<u> </u>

If Bradenhead flowed water, check description below:

Clear X
Fresh
Salty
Sulfur
Black

Remarks:
Ending: BH Press.: 0 Intern. Press.
GAS PRESSURE BLEW DOW IMMEDIATLY.
WATER CONTINUED TO TRICKLE THRU END
OF TEST. 5 MIN SHUT IN PRESSURE 11
TBS

By DENNIS JACQUEZ 309
Lease Operator

Position

Witness

Burlington Resources

County: San Juan
State: NM
Sampled at: Braden Head
Date: June 26, 2006
H & M Precision

Water Analysis Report

Field: Dennis J
Location: Huerfanito 174
Formation:
Depth: 0

Sum +	mg/L	meq/L
Potassium	0	0
Sodium	627.9	27.31
Calcium	30.75	1.53
Magnesium	14.3	1.18
Iron	5.2	0.28
Barium	0	0
Strontium	0	0
CATIONS	678.15	30.3

Analysis
Balanced

Sum -	mg/L	meq/L
Sulfate	125	2.6
Chloride	1000	28.21
Carbonate	0	0
Bicarbonat	50	0.82
Hydroxide	0	0
-	0	0
-	0	0
ANIONS	1175	31.63

System Parameters

Total Dissolved Solids @180C	1853.15 mg/L
Sample Temperature, 'F	70 F
Sample pH, standard units	9.71 Units
Dissolved Oxygen	0 ppm
Carbon Dioxide	0 mg/L
Total Sulfide, (TS)	0 mg/L
Sulfide Ion, (S)	0 mg/L
Dissolved Hydrogen Sulfide, (TS-S)	0 mg/L
Specific Gravity	1.0016
Resistivity, measured	0 ohm/m^3
Ionic strength	0.034
Sulfate Reducing Bacteria	nd
Aerobic Bacteria	nd

Scaling Tendency

CACO3			CASO4			
Temp F	Stiff Davis Index	A index	Actual	SOLUBILITY	S Index	A Index
32	0.75	15.99714				
50	0.96	18.54207	50	1.534446	25.54909	-24.01464
68	1.17	20.49667	68	1.534446	26.30491	-24.77047
77	1.27	21.30518	86	1.534446	27.04003	-25.50559
86	1.37	22.01345	104	1.534446	27.38474	-25.8503
104	1.57	23.18549	122	1.534446	27.35353	-25.81908
122	1.77	24.08854	140	1.534446	26.37099	-24.83654
140	1.96	24.78862	158	1.534446	25.35118	-23.81673
158	2.15	25.32652	176	1.534446	24.28951	-22.75506
176	2.34	25.7405				

BASO4 SCALE POSSIBLE NO

Water Analysis Pattern

NOTE: Stiff Davis Index

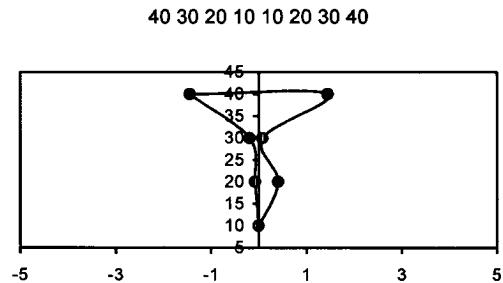
- indicates undersaturation. Scale formation negative.
- 0 indicates the water is at saturation point. Scale unlikely.
- + indicates supersaturation. A positive scaling condition exists.

NOTE: Skillman Method Calcium Sulfate 'S Index'

- indicates undersaturation. Scale formation negative.
- 0 indicates the water is at saturation point. Scale unlikely.
- + indicates supersaturation. A positive scaling condition exists.

NOTE: A Index; worst possible case. Assumes 100% precipitation.

- Units = pounds of scale produced / 1000 bbls. of water.
- A Index <= 0 Scale formation negative.
- A Index > 0 Scale formation positive.



HUERFANITO UNIT COM 174 FRC

Unit P T027N R009W Sec.024

920 FSL & 840 FEL

API Number: 30045298850000

Latitude N36 33.336

SAN JUAN COUNTY, NM

AIN: 80638101

Longitude W107 44.005

Spud date: 2/15/00

Completion Date: 7/5/00

GL= 6030'

KB= 12'

Current Wellbore**STATUS**

FLOWING W/COMPRESSOR

Surface Casing (2/15/00)

Hole Size 8-3/4"

3 jts 7" 20# J-55

Set @ 138'

67 sx cmt circ to surf

Formation Tops:

Ojo Alamo 1270'

Kirtland 1288'

Fruitland 1751'

Pictured Cliffs 2019'

Tubing Record (6/12/00)

(59) jts 1-1/2" 2.9# J-55

(1) 1-1/2" SN

(1) jt 1-1/2" 2.9# J-55

Workover History

None

Production Casing (2/18/00)

Hole Size 6-1/4"

48 jts 4-1/2" 10.5# J-55

Set @ 2152'

140 sx (268 cu ft) cmt

TOC @ 193' calc w/ 75% eff

Fruitland Perforations1854-56, 1870-72, 1894-1912, 1943-50,
1961-66, 1974-86, 1995-98, 2006-12**Stimulation**

20,000 gal 70 quality foam

195,000# 20/40 sd

8300 scf N2

PBD= 2,105'
TD= 2,152'

8/8/06

8/8/2006

PERTINENT DATA SHEET							
WELLNAME: HUERFANITO UNIT COM 174 FRC STATUS: FLOWING W/COMPRESSOR				API Number: 30045298850000 AIN: 8063810			
WELL TYPE: BASIN (FRUITLAND COAL)				ELEVATION: KB 12' GL 6030'			
LOCATION: Unit P T027N R009W Sec.024 920 FSL & 840 FEL SAN JUAN COUNTY, NM				SPUD DATE: 2/15/00 COMPLETION DATE: 7/5/00			
OWNERSHIP: <u>FRUITLAND COAL</u> GWl: 62.24% NRI: 53.22%				DRILLING: TOTAL DEPTH: 2152' PBTD: 2105'			
CASING RECORD:							
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>
8-3/4"	7"	20#	J-55	138'	3 Jts	67 sx	circ
6-1/4"	4-1/2"	10.5#	J-55	2152'	59 Jts	140 sx	193'
TUBING RECORD:							
<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>JTS.</u>	<u>SN</u>	<u>Date</u>	
1-1/2"	2.9#	J-55	1945'	48	1911'	6/12/2000	
FORMATION TOPS:							
Ojo Alamo	1270'						
Kirtland	1288'						
Fruitland	1751'						
PC	2019'						
LOGGING:							
PERFORATIONS							
Fruitland	1854-56, 1870-72, 1894-1912, 1943-50, 1961-66, 1974-86, 1995-98, 2006-12						
STIMULATION:							
20,000 gal 70 quality foam 195,000# 20/40 sd 8300 scf N2							
WORKOVER HISTORY:							
None							