

Serial # 6806

Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	472.0	77.19	87.8
	473.5	73.08	87.9
	475.0	48.54	88.1
	476.5	48.47	88.2
	478.0	48.45	88.2
	479.5	44.96	88.3
	481.0	46.14	88.3
	482.5	46.15	88.3
	484.0	39.04	88.4
	485.5	31.85	88.5
	487.0	31.62	88.9
	488.5	31.59	89.0
	490.0	16.13	89.5
	491.5	16.03	89.8
	493.0	16.07	89.9
	494.5	13.64	89.1
	496.0	13.92	86.8
	497.5	14.11	80.1
	499.0	13.75	77.3
	500.5	13.74	78.0
	501.5	13.28	79.5

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	354.5	995.24	107.7		410.5	1292.21	96.4
	356.0	1003.65	107.7		412.0	1193.79	95.5
	357.5	1011.38	107.7		413.5	1201.11	94.4
	359.0	1018.85	107.7		415.0	1168.47	94.0
	360.5	1025.84	107.8		416.5	1102.88	93.3
	362.0	1032.54	107.8		418.0	1077.31	92.9
	363.5	1038.80	107.8		419.5	1000.26	92.6
	365.0	1044.88	107.8		421.0	989.03	92.2
	366.5	1050.57	107.8		422.5	957.37	92.0
	368.0	1055.95	107.9		424.0	900.99	92.0
	369.5	1061.16	107.9		425.5	912.04	91.9
	371.0	1065.95	107.9		427.0	907.08	91.9
	372.5	1070.71	107.9		428.5	906.78	91.9
	374.0	1075.27	107.9		430.0	906.46	91.9
	375.5	1079.45	108.0		431.5	867.40	91.9
	377.0	1083.61	108.0		433.0	870.02	92.0
	378.5	1087.65	108.0		434.5	864.45	91.9
	379.5	1090.14	108.0		436.0	857.56	91.9
	380.0	1082.44	108.0		437.5	832.77	91.9
End Shut-In(2)	380.5	1080.81	108.0		439.0	806.71	91.9
	381.0	1729.69	107.8		440.5	774.92	91.9
Final Hydro-static	381.5	1710.24	107.9		442.0	701.51	91.9
	382.0	1702.06	107.9		443.5	682.58	91.6
	383.5	1685.98	108.0		445.0	651.60	91.7
	385.0	1673.60	108.0		446.5	565.48	91.6
	386.5	1666.81	108.0		448.0	559.31	91.7
	388.0	1637.70	108.0		449.5	501.02	86.9
	389.5	1660.87	107.8		451.0	469.06	85.1
	391.0	1645.57	107.5		452.5	438.93	85.0
	392.5	1648.39	107.5		454.0	376.44	85.3
	394.0	1535.29	107.1		455.5	350.25	85.6
	395.5	1594.07	107.3		457.0	280.63	86.1
	397.0	1484.67	106.0		458.5	259.32	86.9
	398.5	1559.71	105.4		460.0	228.46	87.5
	400.0	1439.65	104.6		461.5	172.81	87.8
	401.5	1396.91	103.5		463.0	135.40	87.9
	403.0	1358.45	101.4		464.5	136.24	87.9
	404.5	1364.59	100.1		466.0	136.20	87.9
	406.0	1379.23	99.3		467.5	105.93	87.9
	407.5	1301.62	98.4		469.0	105.92	87.8
	409.0	1324.59	97.2		470.5	97.76	87.8

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	236.5	104.88	104.7		293.0	136.76	106.1
	238.0	106.11	104.7		294.5	145.37	106.2
	239.5	103.02	104.7		296.0	154.83	106.2
	241.0	106.38	104.8		297.5	165.50	106.2
	242.5	108.14	104.8		299.0	177.25	106.3
	244.0	108.91	104.8		300.5	190.59	106.3
	245.5	109.37	104.9		302.0	205.51	106.4
	247.0	109.80	104.9		303.5	222.75	106.4
	248.5	110.50	105.0		305.0	242.38	106.4
	250.0	111.23	105.0		306.5	264.73	106.5
	251.5	106.11	105.0		308.0	289.99	106.5
	253.0	109.62	105.1		309.5	318.43	106.6
	254.5	110.04	105.1		311.0	349.84	106.6
	256.0	112.20	105.2		312.5	383.96	106.7
	257.5	113.81	105.2		314.0	420.65	106.7
	259.0	112.85	105.2		315.5	458.29	106.8
	260.5	112.78	105.3		317.0	496.13	106.8
	262.0	113.26	105.3		318.5	533.23	106.9
	263.5	113.75	105.4		320.0	568.70	106.9
	265.0	113.47	105.4		321.5	602.74	106.9
	266.5	114.23	105.4		323.0	634.44	107.0
	268.0	114.92	105.5		324.5	664.22	107.0
	269.5	115.55	105.5		326.0	692.08	107.1
	271.0	115.73	105.6		327.5	717.96	107.1
	272.5	116.13	105.6		329.0	742.61	107.1
	274.0	116.64	105.6		330.5	765.38	107.2
	275.5	117.34	105.7		332.0	786.81	107.2
	277.0	117.80	105.7		333.5	807.30	107.3
	278.5	117.84	105.8		335.0	826.44	107.3
	280.0	118.57	105.8		336.5	844.47	107.3
	281.5	119.79	105.8		338.0	861.78	107.3
	283.0	119.82	105.9		339.5	877.78	107.4
	284.5	119.82	105.9		341.0	892.96	107.4
	286.0	120.11	106.0		342.5	907.44	107.4
	287.5	121.04	106.0		344.0	920.56	107.5
	289.0	120.82	106.0		345.5	933.40	107.5
	289.5	121.41	106.0		347.0	945.50	107.5
Shut-In(2)	290.0	121.44	106.1		348.5	956.60	107.6
	290.5	123.70	106.1		350.0	967.12	107.6
	291.0	126.16	106.1		351.5	977.18	107.6
	291.5	128.76	106.1		353.0	986.42	107.6

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	129.5	1734.19	102.2		180.0	141.62	102.7
	131.0	1716.08	102.3		181.5	153.92	102.8
	132.5	1705.67	102.3		183.0	168.26	102.9
	134.0	1696.83	102.4		184.5	184.97	102.9
	135.5	1700.99	102.4		186.0	204.51	103.0
	137.0	1699.24	102.4		187.5	228.12	103.0
	138.5	1706.70	102.4		189.0	256.49	103.1
	139.0	1704.84	102.4		190.5	290.29	103.2
	139.5	1702.63	102.3		192.0	330.22	103.3
Initial Hydro-static	140.0	1744.36	102.3		193.5	375.90	103.3
	140.5	1739.09	102.4		195.0	426.36	103.4
Open To Flow (1)	141.0	67.99	102.0		196.5	479.02	103.5
	141.5	69.75	102.0		198.0	530.74	103.5
	143.0	74.33	101.9		199.5	580.81	103.6
	144.5	76.77	101.9		201.0	627.61	103.7
	146.0	79.54	101.9		202.5	671.05	103.7
	147.5	80.84	101.9		204.0	711.46	103.8
	149.0	82.65	101.9		205.5	748.77	103.9
	150.5	84.36	101.9		207.0	782.87	103.9
	152.0	85.13	101.9		208.5	814.80	104.0
	153.5	79.51	102.0		210.0	844.13	104.0
	155.0	81.07	102.0		211.5	870.84	104.1
	156.5	82.55	102.0		213.0	895.96	104.2
	158.0	83.46	102.0		214.5	918.72	104.2
	159.5	84.04	102.1		216.0	939.68	104.3
	161.0	84.91	102.1		217.5	958.67	104.3
	162.5	85.48	102.1		219.0	976.22	104.4
	164.0	86.20	102.2		220.5	992.21	104.4
	165.5	86.71	102.2		222.0	1006.90	104.5
	167.0	87.37	102.3		223.5	1020.34	104.5
	168.5	87.95	102.3		225.0	1032.71	104.6
	170.0	88.64	102.4		226.5	1044.05	104.7
	170.5	88.68	102.4		228.0	1054.49	104.7
Shut-In(1)	171.0	89.67	102.4		228.5	1057.73	104.7
	171.5	91.82	102.4	End Shut-In(1)	229.0	1060.95	104.7
	172.0	94.17	102.4		229.5	123.84	104.4
	172.5	96.47	102.4	Open To Flow (2)	230.0	96.50	104.5
	174.0	103.85	102.5		230.5	97.95	104.5
	175.5	111.86	102.6		232.0	100.81	104.6
	177.0	120.81	102.6		233.5	102.28	104.6
	178.5	130.54	102.7		235.0	103.33	104.6

Printing every 3 samples



Weatherford®
Completion Systems

DRILL STEM TESTING - DATA LISTING

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO
 80228

#1-3 WFYOG

Job Ticket: 17730

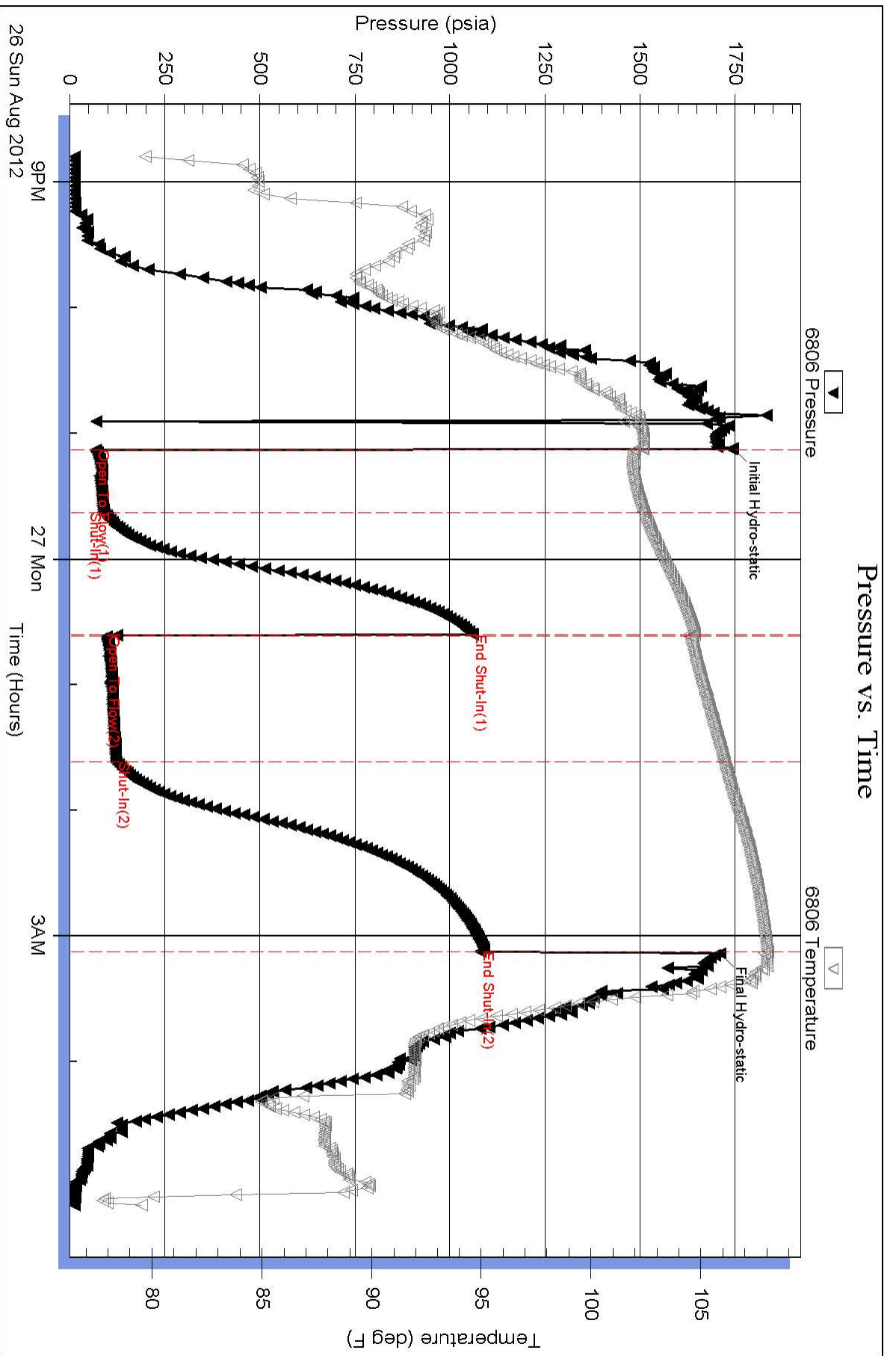
DST#: 1

ATTN: CHARLIE STURDAVANT

Test Start: 2012.08.26 @ 20:46:48

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	1.0	13.75	79.7		80.0	948.68	92.9
	4.0	13.74	83.5		81.5	997.84	93.0
	7.0	13.80	84.4		83.0	1019.53	93.2
	10.0	13.73	84.8		84.5	1050.12	93.7
	13.0	13.68	84.8		86.0	1115.75	94.0
	16.0	13.65	84.8		87.5	1142.28	94.5
	19.0	13.60	85.1		89.0	1169.20	95.0
	22.0	13.62	86.9		90.5	1241.75	95.2
	25.0	15.09	91.4		92.0	1263.11	95.5
	28.0	30.67	92.3		93.5	1355.05	95.7
	31.0	46.33	92.5		95.0	1408.21	96.0
	34.0	36.50	92.1		96.5	1358.00	96.5
	37.0	47.31	92.4		98.0	1385.31	97.1
	40.0	46.59	92.4		99.5	1525.45	97.5
	43.0	76.69	91.7		101.0	1477.25	98.0
	46.0	106.87	91.0		102.5	1533.60	98.5
	49.0	143.65	91.0		104.0	1571.32	99.5
	52.0	134.79	90.7		105.5	1560.03	99.5
	55.0	206.55	89.7		107.0	1550.63	99.5
	58.0	319.64	89.2		108.5	1552.65	99.5
	60.5	412.08	89.4		110.0	1580.58	99.8
	62.0	454.96	89.6		111.5	1597.27	100.1
	63.5	501.43	89.9		113.0	1616.04	100.5
	65.0	564.41	90.2		114.5	1635.26	100.7
	66.5	636.76	90.3		116.0	1650.82	101.1
	68.0	651.28	90.6		117.5	1638.01	101.3
	69.5	744.38	90.9		119.0	1628.50	101.3
	71.0	742.63	91.3		120.5	1663.96	101.4
	72.5	776.38	91.8		122.0	1680.67	101.5
	74.0	837.80	92.5		123.5	1691.79	101.8
	75.5	868.64	93.1		125.0	1713.46	102.1
	77.0	975.45	92.9		126.5	1699.99	102.2
	78.5	957.83	92.9		128.0	61.10	101.7

Printing every 3 samples





Weatherford[®]
Completion Systems

DRILL STEM TEST REPORT

FLUID SUMMARY

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO
 80228

#1-3 WFYOG

Job Ticket: 17730

DST#: 1

ATTN: CHARLIE STURDAVANT

Test Start: 2012.08.26 @ 20:46:48

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 41.00 sec/qt
 Water Loss: 9.60 in³
 Resistivity: ohm.m
 Salinity: 66000.00 ppm
 Filter Cake: inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psia

Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MUD 100% MUD	0.148
120.00	OILY CUT MUD 3%OIL 97 %MUD	0.590

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



Weatherford[®]
Completion Systems

DRILL STEM TEST REPORT

TOOL DIAGRAM

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO
 80228

#1-3 WFYOG

Job Ticket: 17730

DST#: 1

ATTN: CHARLIE STURDAVANT

Test Start: 2012.08.26 @ 20:46:48

Tool Information

Drill Pipe:	Length: 3258.00 ft	Diameter: 3.88 inches	Volume: 47.65 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3524.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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S.I. Tool	5.00			3501.00	
HYD S.I. Tool	5.00			3506.00	
Jars	6.00			3512.00	
Safety Joint	2.00			3514.00	
Packer	5.00			3519.00	28.00 Bottom Of Top Packer
Packer	5.00			3524.00	
Perforations	5.00			3529.00	
C.O. Sub	0.75			3529.75	
DRILL PIPE	31.50			3561.25	
C.O. Sub	0.75			3562.00	
Perforations	14.00			3576.00	
Recorder	1.00			3577.00	
Recorder	1.00			3578.00	
Bullnose	3.00			3581.00	57.00 Bottom Packers & Anchor

Total Tool Length: 85.00



Weatherford[®] Completion Systems

DRILL STEM TEST REPORT

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO
80228

ATTN: CHARLIE STURDAVANT

#1-3 WFOG

Job Ticket: 17730

DST#: 1

Test Start: 2012.08.26 @ 20:46:48

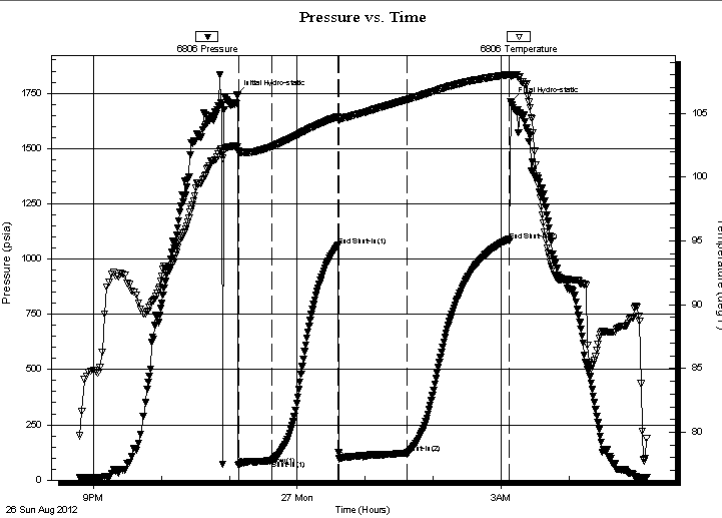
GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:07:48
 Time Test Ended: 05:08:18
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3581.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID
 Unit No: 3345 49 MRT
 Reference Elevations: 1997.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6806

Press @ RunDepth: 121.44 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.26 End Date: 2012.08.27 Last Calib.: 2012.08.26
 Start Time: 20:46:48 End Time: 05:08:18 Time On Btm: 2012.08.26 @ 23:06:48
 Time Off Btm: 2012.08.27 @ 03:08:18

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 6 INCHES INTO WATER
 60-INITIAL SHUT IN VERY WEAK SURFACE
 60-FINIAL OPENING WEAK BLOW BUILT TO 7 INCHES INTO WATER
 90-FINIAL SHUT-IN VERY WEAK SURFACE



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1744.36	102.35	Initial Hydro-static
1	67.99	102.01	Open To Flow (1)
31	89.67	102.40	Shut-In(1)
89	1060.95	104.72	End Shut-In(1)
90	96.50	104.54	Open To Flow (2)
150	121.44	106.06	Shut-In(2)
241	1080.81	108.03	End Shut-In(2)
242	1710.24	107.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUD 100% MUD	0.15
120.00	OILY CUT MUD 3%OIL 97 %MUD	0.59

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



Weatherford® Completion Systems

DRILL STEM TEST REPORT

Prepared For: **CAPTIVA**

445 ONION BLVD SUITE 208 LAKEWOOD
CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

Start Date: 2012.08.26 @ 20:46:48

End Date: 2012.08.27 @ 05:08:18

Job Ticket #: 17730 DST #: 1

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260

Printed: 2012.08.26 @ 20:59:55

CAPTIVA

#1-3 WFYOG

DST # 1

LKC

2012.08.26