



CARRIZO

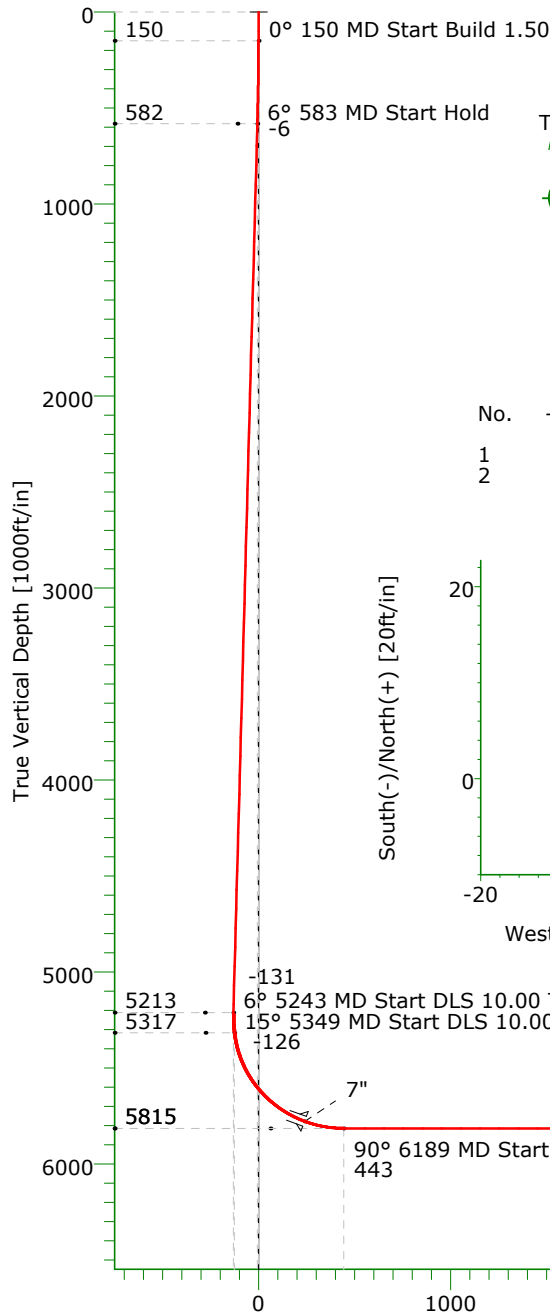
CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Bringelson 1-32-9-58 Pad
Well: 2-32-9-58
Wellpath: Original Hole
Plan: Plan #1



Precision
 Directional Services

CASING DETAILS

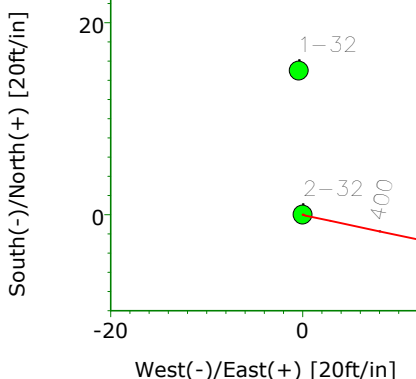
No.	TVD	MD	Name	Size
1	5779.36	5983.23	7"	7.000



Azimuths to Grid North
 True North: -1.04°
 Magnetic North: 7.18°
 Magnetic Field
 Strength: 53273nT
 Dip Angle: 67.39°
 Date: 10/31/2012
 Model: IGRF2010

SLOTS

No.	+N/-S	+E/-W	Name
1	15.00	-0.38	1-32
2	0.00	0.00	2-32

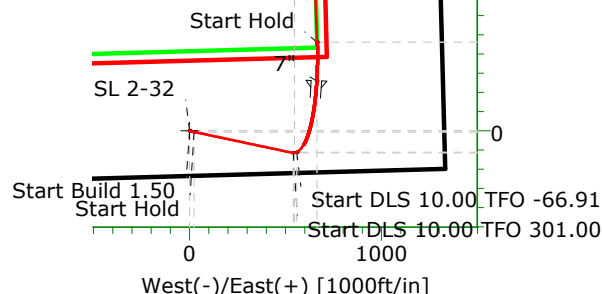


Lease Line

600' Offset Hardline

PBHL 2-32

50' Offset from
Hardline



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL 2-32	0.00	0.00	0.00	1502227.15	3448322.45	40°42'02.797N	103°52'58.965W	Point
PBHL 2-32	5815.00	4448.94	546.50	1506676.09	3448868.95	40°42'46.652N	103°52'50.816W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	583.33	6.50	102.00	582.40	-5.11	24.02	1.50	102.00	-5.81	
4	5243.50	6.50	102.00	5212.61	-114.79	540.03	0.00	0.00	-130.57	
5	5349.41	15.00	64.50	5316.68	-110.12	558.32	10.00	301.00	-126.44	
6	6189.42	90.00	358.32	5815.00	463.04	663.68	10.00	-66.91	443.39	
7	10177.04	90.00	358.32	5815.00	4448.94	546.50	0.00	0.00	4431.01	PBHL 2-32

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC. Field: Niobrara CONZ'83 Site: Bringelson 1-32-9-58 Pad Well: 2-32-9-58 Wellpath: Original Hole	Date: 09/26/2012 Co-ordinate(NE) Reference: Well: 2-32-9-58, Grid North Vertical (TVD) Reference: 4782'GL+17"KB 4799.0 Section (VS) Reference: Well (0.00N,0.00E,358.32Azi) Plan: Plan #1	Time: 14:30:14 Page: 1
--	--	---

Field: Niobrara CONZ'83 Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level	Map Zone: Colorado, Northern Zone Coordinate System: Well Centre Geomagnetic Model: IGRF2010
--	---

Site: Bringelson 1-32-9-58 Pad Weld County, CO Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 4782.00 ft	Northing: 1502242.15 ft Easting: 3448322.07 ft Latitude: 40 42 2.945 N Longitude: 103 52 58.966 W North Reference: Grid Grid Convergence: 1.04 deg
--	---

Well: 2-32-9-58 Well Position: +N/-S -15.00 ft +E/-W 0.38 ft Position Uncertainty: 0.00 ft	Slot Name: 2-32 Well Position: +N/-S -15.00 ft +E/-W 0.38 ft Position Uncertainty: 0.00 ft
--	--

Wellpath: Original Hole Current Datum: 4782'GL+17"KB Magnetic Data: 10/31/2012 Field Strength: 53273 nT Vertical Section: Depth From (TVD) ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.22 deg Mag Dip Angle: 67.39 deg +E/-W ft Direction deg
--	---

Plan: Plan #1 Principal: No	Date Composed: 09/26/2012 Version: 1 Tied-to: From Surface
--	---

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
583.33	6.50	102.00	582.40	-5.11	24.02	1.50	1.50	0.00	102.00	
5243.50	6.50	102.00	5212.61	-114.79	540.03	0.00	0.00	0.00	0.00	
5349.41	15.00	64.50	5316.68	-110.12	558.32	10.00	8.02	-35.40	301.00	
6189.42	90.00	358.32	5815.00	463.04	663.68	10.00	8.93	-7.88	-66.91	
10177.04	90.00	358.32	5815.00	4448.94	546.50	0.00	0.00	0.00	0.00	PBHL 2-32

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.75	102.00	200.00	-0.07	0.32	-0.08	1.50	1.50	0.00	
250.00	1.50	102.00	249.99	-0.27	1.28	-0.31	1.50	1.50	0.00	
300.00	2.25	102.00	299.96	-0.61	2.88	-0.70	1.50	1.50	0.00	
350.00	3.00	102.00	349.91	-1.09	5.12	-1.24	1.50	1.50	0.00	
400.00	3.75	102.00	399.82	-1.70	8.00	-1.93	1.50	1.50	0.00	
450.00	4.50	102.00	449.69	-2.45	11.52	-2.78	1.50	1.50	0.00	
500.00	5.25	102.00	499.51	-3.33	15.67	-3.79	1.50	1.50	0.00	
550.00	6.00	102.00	549.27	-4.35	20.47	-4.95	1.50	1.50	0.00	
583.33	6.50	102.00	582.40	-5.11	24.02	-5.81	1.50	1.50	0.00	
600.00	6.50	102.00	598.96	-5.50	25.86	-6.25	0.00	0.00	0.00	
650.00	6.50	102.00	648.64	-6.67	31.40	-7.59	0.00	0.00	0.00	
700.00	6.50	102.00	698.32	-7.85	36.94	-8.93	0.00	0.00	0.00	
750.00	6.50	102.00	748.00	-9.03	42.47	-10.27	0.00	0.00	0.00	
800.00	6.50	102.00	797.68	-10.20	48.01	-11.61	0.00	0.00	0.00	

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Bringelson 1-32-9-58 Pad
Well: 2-32-9-58
Wellpath: Original Hole

Date: 09/26/2012
Co-ordinate(NE) Reference: Well: 2-32-9-58, Grid North
Vertical (TVD) Reference: 4782'GL+17"KB 4799.0
Section (VS) Reference: Well (0.00N,0.00E,358.32Azi)
Plan: Plan #1

Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
850.00	6.50	102.00	847.36	-11.38	53.54	-12.95	0.00	0.00	0.00	
900.00	6.50	102.00	897.04	-12.56	59.08	-14.28	0.00	0.00	0.00	
950.00	6.50	102.00	946.71	-13.73	64.62	-15.62	0.00	0.00	0.00	
1000.00	6.50	102.00	996.39	-14.91	70.15	-16.96	0.00	0.00	0.00	
1050.00	6.50	102.00	1046.07	-16.09	75.69	-18.30	0.00	0.00	0.00	
1100.00	6.50	102.00	1095.75	-17.27	81.23	-19.64	0.00	0.00	0.00	
1150.00	6.50	102.00	1145.43	-18.44	86.76	-20.98	0.00	0.00	0.00	
1200.00	6.50	102.00	1195.11	-19.62	92.30	-22.32	0.00	0.00	0.00	
1250.00	6.50	102.00	1244.79	-20.80	97.84	-23.66	0.00	0.00	0.00	
1300.00	6.50	102.00	1294.46	-21.97	103.37	-24.99	0.00	0.00	0.00	
1350.00	6.50	102.00	1344.14	-23.15	108.91	-26.33	0.00	0.00	0.00	
1400.00	6.50	102.00	1393.82	-24.33	114.45	-27.67	0.00	0.00	0.00	
1450.00	6.50	102.00	1443.50	-25.50	119.98	-29.01	0.00	0.00	0.00	
1500.00	6.50	102.00	1493.18	-26.68	125.52	-30.35	0.00	0.00	0.00	
1550.00	6.50	102.00	1542.86	-27.86	131.06	-31.69	0.00	0.00	0.00	
1600.00	6.50	102.00	1592.54	-29.03	136.59	-33.03	0.00	0.00	0.00	
1650.00	6.50	102.00	1642.21	-30.21	142.13	-34.36	0.00	0.00	0.00	
1700.00	6.50	102.00	1691.89	-31.39	147.67	-35.70	0.00	0.00	0.00	
1750.00	6.50	102.00	1741.57	-32.56	153.20	-37.04	0.00	0.00	0.00	
1800.00	6.50	102.00	1791.25	-33.74	158.74	-38.38	0.00	0.00	0.00	
1850.00	6.50	102.00	1840.93	-34.92	164.27	-39.72	0.00	0.00	0.00	
1900.00	6.50	102.00	1890.61	-36.09	169.81	-41.06	0.00	0.00	0.00	
1950.00	6.50	102.00	1940.29	-37.27	175.35	-42.40	0.00	0.00	0.00	
2000.00	6.50	102.00	1989.96	-38.45	180.88	-43.73	0.00	0.00	0.00	
2050.00	6.50	102.00	2039.64	-39.62	186.42	-45.07	0.00	0.00	0.00	
2100.00	6.50	102.00	2089.32	-40.80	191.96	-46.41	0.00	0.00	0.00	
2150.00	6.50	102.00	2139.00	-41.98	197.49	-47.75	0.00	0.00	0.00	
2200.00	6.50	102.00	2188.68	-43.16	203.03	-49.09	0.00	0.00	0.00	
2250.00	6.50	102.00	2238.36	-44.33	208.57	-50.43	0.00	0.00	0.00	
2300.00	6.50	102.00	2288.04	-45.51	214.10	-51.77	0.00	0.00	0.00	
2350.00	6.50	102.00	2337.71	-46.69	219.64	-53.10	0.00	0.00	0.00	
2400.00	6.50	102.00	2387.39	-47.86	225.18	-54.44	0.00	0.00	0.00	
2450.00	6.50	102.00	2437.07	-49.04	230.71	-55.78	0.00	0.00	0.00	
2500.00	6.50	102.00	2486.75	-50.22	236.25	-57.12	0.00	0.00	0.00	
2550.00	6.50	102.00	2536.43	-51.39	241.79	-58.46	0.00	0.00	0.00	
2600.00	6.50	102.00	2586.11	-52.57	247.32	-59.80	0.00	0.00	0.00	
2650.00	6.50	102.00	2635.79	-53.75	252.86	-61.14	0.00	0.00	0.00	
2700.00	6.50	102.00	2685.46	-54.92	258.39	-62.48	0.00	0.00	0.00	
2750.00	6.50	102.00	2735.14	-56.10	263.93	-63.81	0.00	0.00	0.00	
2800.00	6.50	102.00	2784.82	-57.28	269.47	-65.15	0.00	0.00	0.00	
2850.00	6.50	102.00	2834.50	-58.45	275.00	-66.49	0.00	0.00	0.00	
2900.00	6.50	102.00	2884.18	-59.63	280.54	-67.83	0.00	0.00	0.00	
2950.00	6.50	102.00	2933.86	-60.81	286.08	-69.17	0.00	0.00	0.00	
3000.00	6.50	102.00	2983.54	-61.98	291.61	-70.51	0.00	0.00	0.00	
3050.00	6.50	102.00	3033.22	-63.16	297.15	-71.85	0.00	0.00	0.00	
3100.00	6.50	102.00	3082.89	-64.34	302.69	-73.18	0.00	0.00	0.00	
3150.00	6.50	102.00	3132.57	-65.51	308.22	-74.52	0.00	0.00	0.00	
3200.00	6.50	102.00	3182.25	-66.69	313.76	-75.86	0.00	0.00	0.00	
3250.00	6.50	102.00	3231.93	-67.87	319.30	-77.20	0.00	0.00	0.00	
3300.00	6.50	102.00	3281.61	-69.05	324.83	-78.54	0.00	0.00	0.00	
3350.00	6.50	102.00	3331.29	-70.22	330.37	-79.88	0.00	0.00	0.00	
3400.00	6.50	102.00	3380.97	-71.40	335.91	-81.22	0.00	0.00	0.00	
3450.00	6.50	102.00	3430.64	-72.58	341.44	-82.55	0.00	0.00	0.00	

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Bringelson 1-32-9-58 Pad
Well: 2-32-9-58
Wellpath: Original Hole

Date: 09/26/2012
Co-ordinate(NE) Reference: Well: 2-32-9-58, Grid North
Vertical (TVD) Reference: 4782'GL+17"KB 4799.0
Section (VS) Reference: Well (0.00N,0.00E,358.32Azi)
Plan: Plan #1

Page: 3

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3500.00	6.50	102.00	3480.32	-73.75	346.98	-83.89	0.00	0.00	0.00	
3550.00	6.50	102.00	3530.00	-74.93	352.51	-85.23	0.00	0.00	0.00	
3600.00	6.50	102.00	3579.68	-76.11	358.05	-86.57	0.00	0.00	0.00	
3650.00	6.50	102.00	3629.36	-77.28	363.59	-87.91	0.00	0.00	0.00	
3700.00	6.50	102.00	3679.04	-78.46	369.12	-89.25	0.00	0.00	0.00	
3750.00	6.50	102.00	3728.72	-79.64	374.66	-90.59	0.00	0.00	0.00	
3800.00	6.50	102.00	3778.39	-80.81	380.20	-91.92	0.00	0.00	0.00	
3850.00	6.50	102.00	3828.07	-81.99	385.73	-93.26	0.00	0.00	0.00	
3900.00	6.50	102.00	3877.75	-83.17	391.27	-94.60	0.00	0.00	0.00	
3950.00	6.50	102.00	3927.43	-84.34	396.81	-95.94	0.00	0.00	0.00	
4000.00	6.50	102.00	3977.11	-85.52	402.34	-97.28	0.00	0.00	0.00	
4050.00	6.50	102.00	4026.79	-86.70	407.88	-98.62	0.00	0.00	0.00	
4100.00	6.50	102.00	4076.47	-87.87	413.42	-99.96	0.00	0.00	0.00	
4150.00	6.50	102.00	4126.14	-89.05	418.95	-101.30	0.00	0.00	0.00	
4200.00	6.50	102.00	4175.82	-90.23	424.49	-102.63	0.00	0.00	0.00	
4250.00	6.50	102.00	4225.50	-91.40	430.03	-103.97	0.00	0.00	0.00	
4300.00	6.50	102.00	4275.18	-92.58	435.56	-105.31	0.00	0.00	0.00	
4350.00	6.50	102.00	4324.86	-93.76	441.10	-106.65	0.00	0.00	0.00	
4400.00	6.50	102.00	4374.54	-94.94	446.63	-107.99	0.00	0.00	0.00	
4450.00	6.50	102.00	4424.22	-96.11	452.17	-109.33	0.00	0.00	0.00	
4500.00	6.50	102.00	4473.89	-97.29	457.71	-110.67	0.00	0.00	0.00	
4550.00	6.50	102.00	4523.57	-98.47	463.24	-112.00	0.00	0.00	0.00	
4600.00	6.50	102.00	4573.25	-99.64	468.78	-113.34	0.00	0.00	0.00	
4650.00	6.50	102.00	4622.93	-100.82	474.32	-114.68	0.00	0.00	0.00	
4700.00	6.50	102.00	4672.61	-102.00	479.85	-116.02	0.00	0.00	0.00	
4750.00	6.50	102.00	4722.29	-103.17	485.39	-117.36	0.00	0.00	0.00	
4800.00	6.50	102.00	4771.97	-104.35	490.93	-118.70	0.00	0.00	0.00	
4850.00	6.50	102.00	4821.64	-105.53	496.46	-120.04	0.00	0.00	0.00	
4900.00	6.50	102.00	4871.32	-106.70	502.00	-121.37	0.00	0.00	0.00	
4950.00	6.50	102.00	4921.00	-107.88	507.54	-122.71	0.00	0.00	0.00	
5000.00	6.50	102.00	4970.68	-109.06	513.07	-124.05	0.00	0.00	0.00	
5050.00	6.50	102.00	5020.36	-110.23	518.61	-125.39	0.00	0.00	0.00	
5100.00	6.50	102.00	5070.04	-111.41	524.15	-126.73	0.00	0.00	0.00	
5150.00	6.50	102.00	5119.72	-112.59	529.68	-128.07	0.00	0.00	0.00	
5200.00	6.50	102.00	5169.39	-113.76	535.22	-129.41	0.00	0.00	0.00	
5243.50	6.50	102.00	5212.61	-114.79	540.03	-130.57	0.00	0.00	0.00	
5250.00	6.86	97.33	5219.07	-114.91	540.78	-130.72	10.00	5.50	-71.87	
5300.00	10.58	74.63	5268.50	-114.08	548.17	-130.10	10.00	7.44	-45.39	
5350.00	15.02	64.29	5317.25	-110.05	558.46	-126.38	9.97	8.89	-20.68	
5400.00	17.60	48.94	5365.25	-102.27	570.00	-118.94	10.00	5.15	-30.71	
5450.00	21.04	37.91	5412.45	-90.22	581.22	-107.22	10.00	6.88	-22.05	
5500.00	24.99	30.05	5458.47	-73.99	592.03	-91.31	10.00	7.91	-15.73	
5550.00	29.25	24.28	5502.97	-53.70	602.35	-71.34	10.00	8.52	-11.54	
5600.00	33.69	19.89	5545.61	-29.51	612.09	-47.44	10.00	8.89	-8.78	
5650.00	38.26	16.42	5586.07	-1.60	621.20	-19.81	10.00	9.14	-6.93	
5700.00	42.91	13.60	5624.03	29.82	629.58	11.35	10.00	9.30	-5.64	
5750.00	47.62	11.24	5659.21	64.50	637.19	45.79	10.00	9.42	-4.73	
5800.00	52.38	9.21	5691.34	102.18	643.96	83.26	10.00	9.50	-4.06	
5850.00	57.16	7.42	5720.18	142.58	649.85	123.47	10.00	9.57	-3.57	
5900.00	61.96	5.82	5745.50	185.39	654.80	166.11	10.00	9.61	-3.21	
5950.00	66.79	4.35	5767.12	230.28	658.78	210.87	10.00	9.64	-2.93	
5983.23	70.00	3.44	5779.36	261.10	660.87	241.61	10.00	9.67	-2.76	7"
6000.00	71.62	2.99	5784.87	276.91	661.76	257.39	10.00	9.68	-2.67	

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Bringelson 1-32-9-58 Pad
Well: 2-32-9-58
Wellpath: Original Hole

Date: 09/26/2012
Co-ordinate(NE) Reference: Well: 2-32-9-58, Grid North
Vertical (TVD) Reference: 4782'GL+17'KB 4799.0
Section (VS) Reference: Well (0.00N,0.00E,358.32Azi)
Plan: Plan #1

Page: 4

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6050.00	76.47	1.70	5798.61	324.93	663.72	305.33	10.00	9.69	-2.58	
6100.00	81.32	0.46	5808.24	373.97	664.64	354.33	10.00	9.70	-2.47	
6150.00	86.17	359.26	5813.69	423.66	664.52	403.99	10.00	9.71	-2.41	
6189.42	90.00	358.32	5815.00	463.04	663.68	443.39	10.00	9.71	-2.38	
6200.00	90.00	358.32	5815.00	473.62	663.37	453.96	0.00	0.00	0.00	
6250.00	90.00	358.32	5815.00	523.59	661.90	503.96	0.00	0.00	0.00	
6300.00	90.00	358.32	5815.00	573.57	660.43	553.96	0.00	0.00	0.00	
6350.00	90.00	358.32	5815.00	623.55	658.96	603.96	0.00	0.00	0.00	
6400.00	90.00	358.32	5815.00	673.53	657.49	653.96	0.00	0.00	0.00	
6450.00	90.00	358.32	5815.00	723.51	656.02	703.96	0.00	0.00	0.00	
6500.00	90.00	358.32	5815.00	773.49	654.55	753.96	0.00	0.00	0.00	
6550.00	90.00	358.32	5815.00	823.46	653.08	803.96	0.00	0.00	0.00	
6600.00	90.00	358.32	5815.00	873.44	651.61	853.96	0.00	0.00	0.00	
6650.00	90.00	358.32	5815.00	923.42	650.15	903.96	0.00	0.00	0.00	
6700.00	90.00	358.32	5815.00	973.40	648.68	953.96	0.00	0.00	0.00	
6750.00	90.00	358.32	5815.00	1023.38	647.21	1003.96	0.00	0.00	0.00	
6800.00	90.00	358.32	5815.00	1073.36	645.74	1053.96	0.00	0.00	0.00	
6850.00	90.00	358.32	5815.00	1123.33	644.27	1103.96	0.00	0.00	0.00	
6900.00	90.00	358.32	5815.00	1173.31	642.80	1153.96	0.00	0.00	0.00	
6950.00	90.00	358.32	5815.00	1223.29	641.33	1203.96	0.00	0.00	0.00	
7000.00	90.00	358.32	5815.00	1273.27	639.86	1253.96	0.00	0.00	0.00	
7050.00	90.00	358.32	5815.00	1323.25	638.39	1303.96	0.00	0.00	0.00	
7100.00	90.00	358.32	5815.00	1373.23	636.92	1353.96	0.00	0.00	0.00	
7150.00	90.00	358.32	5815.00	1423.20	635.45	1403.96	0.00	0.00	0.00	
7200.00	90.00	358.32	5815.00	1473.18	633.98	1453.96	0.00	0.00	0.00	
7250.00	90.00	358.32	5815.00	1523.16	632.51	1503.96	0.00	0.00	0.00	
7300.00	90.00	358.32	5815.00	1573.14	631.04	1553.96	0.00	0.00	0.00	
7350.00	90.00	358.32	5815.00	1623.12	629.58	1603.96	0.00	0.00	0.00	
7400.00	90.00	358.32	5815.00	1673.10	628.11	1653.96	0.00	0.00	0.00	
7450.00	90.00	358.32	5815.00	1723.08	626.64	1703.96	0.00	0.00	0.00	
7500.00	90.00	358.32	5815.00	1773.05	625.17	1753.96	0.00	0.00	0.00	
7550.00	90.00	358.32	5815.00	1823.03	623.70	1803.96	0.00	0.00	0.00	
7600.00	90.00	358.32	5815.00	1873.01	622.23	1853.96	0.00	0.00	0.00	
7650.00	90.00	358.32	5815.00	1922.99	620.76	1903.96	0.00	0.00	0.00	
7700.00	90.00	358.32	5815.00	1972.97	619.29	1953.96	0.00	0.00	0.00	
7750.00	90.00	358.32	5815.00	2022.95	617.82	2003.96	0.00	0.00	0.00	
7800.00	90.00	358.32	5815.00	2072.92	616.35	2053.96	0.00	0.00	0.00	
7850.00	90.00	358.32	5815.00	2122.90	614.88	2103.96	0.00	0.00	0.00	
7900.00	90.00	358.32	5815.00	2172.88	613.41	2153.96	0.00	0.00	0.00	
7950.00	90.00	358.32	5815.00	2222.86	611.94	2203.96	0.00	0.00	0.00	
8000.00	90.00	358.32	5815.00	2272.84	610.47	2253.96	0.00	0.00	0.00	
8050.00	90.00	358.32	5815.00	2322.82	609.01	2303.96	0.00	0.00	0.00	
8100.00	90.00	358.32	5815.00	2372.79	607.54	2353.96	0.00	0.00	0.00	
8150.00	90.00	358.32	5815.00	2422.77	606.07	2403.96	0.00	0.00	0.00	
8200.00	90.00	358.32	5815.00	2472.75	604.60	2453.96	0.00	0.00	0.00	
8250.00	90.00	358.32	5815.00	2522.73	603.13	2503.96	0.00	0.00	0.00	
8300.00	90.00	358.32	5815.00	2572.71	601.66	2553.96	0.00	0.00	0.00	
8350.00	90.00	358.32	5815.00	2622.69	600.19	2603.96	0.00	0.00	0.00	
8400.00	90.00	358.32	5815.00	2672.67	598.72	2653.96	0.00	0.00	0.00	
8450.00	90.00	358.32	5815.00	2722.64	597.25	2703.96	0.00	0.00	0.00	
8500.00	90.00	358.32	5815.00	2772.62	595.78	2753.96	0.00	0.00	0.00	
8550.00	90.00	358.32	5815.00	2822.60	594.31	2803.96	0.00	0.00	0.00	
8600.00	90.00	358.32	5815.00	2872.58	592.84	2853.96	0.00	0.00	0.00	
8650.00	90.00	358.32	5815.00	2922.56	591.37	2903.96	0.00	0.00	0.00	

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC. Field: Niobrara CONZ'83 Site: Bringelson 1-32-9-58 Pad Well: 2-32-9-58 Wellpath: Original Hole	Date: 09/26/2012 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Plan:	Time: 14:30:14 Well: 2-32-9-58, Grid North 4782'GL+17"KB 4799.0 Well (0.00N,0.00E,358.32Azi) Plan #1	Page: 5
--	--	--	----------------

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
8700.00	90.00	358.32	5815.00	2972.54	589.90	2953.96	0.00	0.00	0.00	
8750.00	90.00	358.32	5815.00	3022.51	588.44	3003.96	0.00	0.00	0.00	
8800.00	90.00	358.32	5815.00	3072.49	586.97	3053.96	0.00	0.00	0.00	
8850.00	90.00	358.32	5815.00	3122.47	585.50	3103.96	0.00	0.00	0.00	
8900.00	90.00	358.32	5815.00	3172.45	584.03	3153.96	0.00	0.00	0.00	
8950.00	90.00	358.32	5815.00	3222.43	582.56	3203.96	0.00	0.00	0.00	
9000.00	90.00	358.32	5815.00	3272.41	581.09	3253.96	0.00	0.00	0.00	
9050.00	90.00	358.32	5815.00	3322.38	579.62	3303.96	0.00	0.00	0.00	
9100.00	90.00	358.32	5815.00	3372.36	578.15	3353.96	0.00	0.00	0.00	
9150.00	90.00	358.32	5815.00	3422.34	576.68	3403.96	0.00	0.00	0.00	
9200.00	90.00	358.32	5815.00	3472.32	575.21	3453.96	0.00	0.00	0.00	
9250.00	90.00	358.32	5815.00	3522.30	573.74	3503.96	0.00	0.00	0.00	
9300.00	90.00	358.32	5815.00	3572.28	572.27	3553.96	0.00	0.00	0.00	
9350.00	90.00	358.32	5815.00	3622.25	570.80	3603.96	0.00	0.00	0.00	
9400.00	90.00	358.32	5815.00	3672.23	569.33	3653.96	0.00	0.00	0.00	
9450.00	90.00	358.32	5815.00	3722.21	567.86	3703.96	0.00	0.00	0.00	
9500.00	90.00	358.32	5815.00	3772.19	566.40	3753.96	0.00	0.00	0.00	
9550.00	90.00	358.32	5815.00	3822.17	564.93	3803.96	0.00	0.00	0.00	
9600.00	90.00	358.32	5815.00	3872.15	563.46	3853.96	0.00	0.00	0.00	
9650.00	90.00	358.32	5815.00	3922.13	561.99	3903.96	0.00	0.00	0.00	
9700.00	90.00	358.32	5815.00	3972.10	560.52	3953.96	0.00	0.00	0.00	
9750.00	90.00	358.32	5815.00	4022.08	559.05	4003.96	0.00	0.00	0.00	
9800.00	90.00	358.32	5815.00	4072.06	557.58	4053.96	0.00	0.00	0.00	
9850.00	90.00	358.32	5815.00	4122.04	556.11	4103.96	0.00	0.00	0.00	
9900.00	90.00	358.32	5815.00	4172.02	554.64	4153.96	0.00	0.00	0.00	
9950.00	90.00	358.32	5815.00	4222.00	553.17	4203.96	0.00	0.00	0.00	
10000.00	90.00	358.32	5815.00	4271.97	551.70	4253.96	0.00	0.00	0.00	
10050.00	90.00	358.32	5815.00	4321.95	550.23	4303.96	0.00	0.00	0.00	
10100.00	90.00	358.32	5815.00	4371.93	548.76	4353.96	0.00	0.00	0.00	
10150.00	90.00	358.32	5815.00	4421.91	547.29	4403.96	0.00	0.00	0.00	
10177.04	90.00	358.32	5815.00	4448.94	546.50	4431.01	0.00	0.00	0.00	PBHL 2-32

Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->				
								Deg	Min	Sec	Deg	Min	Sec		
SL 2-32			0.00	0.00	0.00	1502227.15	3448322.45	40	42	2.797	N	103	52	58.965	W
PBHL 2-32			5815.00	4448.94	546.50	1506676.09	3448868.95	40	42	46.652	N	103	52	50.816	W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
5983.23	5779.36	7.000	8.500	7"