

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30467	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 35657	⁵ Property Name Carracas 17B	⁶ Well Number 3
⁷ OGRID No 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 7441'

¹⁰ Surface Location

UL or lot no N	Section 17	Township 32N	Range 04W	Lot. Idn	Feet from the 802	North/South line South	Feet from the 1853	East/West line West	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 32N	Range 04W	Lot. Idn	Feet from the 101	North/South line North	Feet from the 1377	East/West line West	County Rio Arriba
¹² Dedicated Acres 316.47 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No R-13119-NSL	RCVD SEP 3 '09					

OIL CONS. DIV.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
2638(M) NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION
DIST. 3

¹⁶ 13.77 17/6 1853'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Signature: Vicki Donaghey Date: 08/31/09 Printed Name: Vicki Donaghey
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. September 20, 2007 Date of Survey Signature and Seal of Professional Surveyer original survey recorded and reported by: David Russell 10201 Certificate Number	

RCVD SEP 3 '09
OIL CONS. DIV.
DIST. 3

Energen Resources

Rio Arriba County, NM

Sec. 17 T32N R4W

Carracas 17B #3

Wellbore #1

Design: Actual Field Surveys

Sperry Drilling Services Standard Report

31 July, 2009

Well Coordinates: 2,178,222.83 N, 1,339,347.57 E (36° 58' 53.72" N, 107° 16' 50.82" W)

Ground Level: 7,441.00 ft

Local Coordinate Origin:

Centered on Well Carracas 17B #3

Viewing Datum.

KB @ 7455 00ft (Original Well Elev)

TVDs to System.

N

North Reference:

True

Unit System.

API- Alt

Geodetic Scale Factor Applied

Version: 2003.16 Build. 431

HALLIBURTON

Project: Rio Arriba County, NM
 Site: Sec. 17 T32N R4W
 Well: Carracas 17B #3
 Wellbore: Wellbore #1
 Plan: Actual Field Surveys

Energen Resources

HALLIBURTON

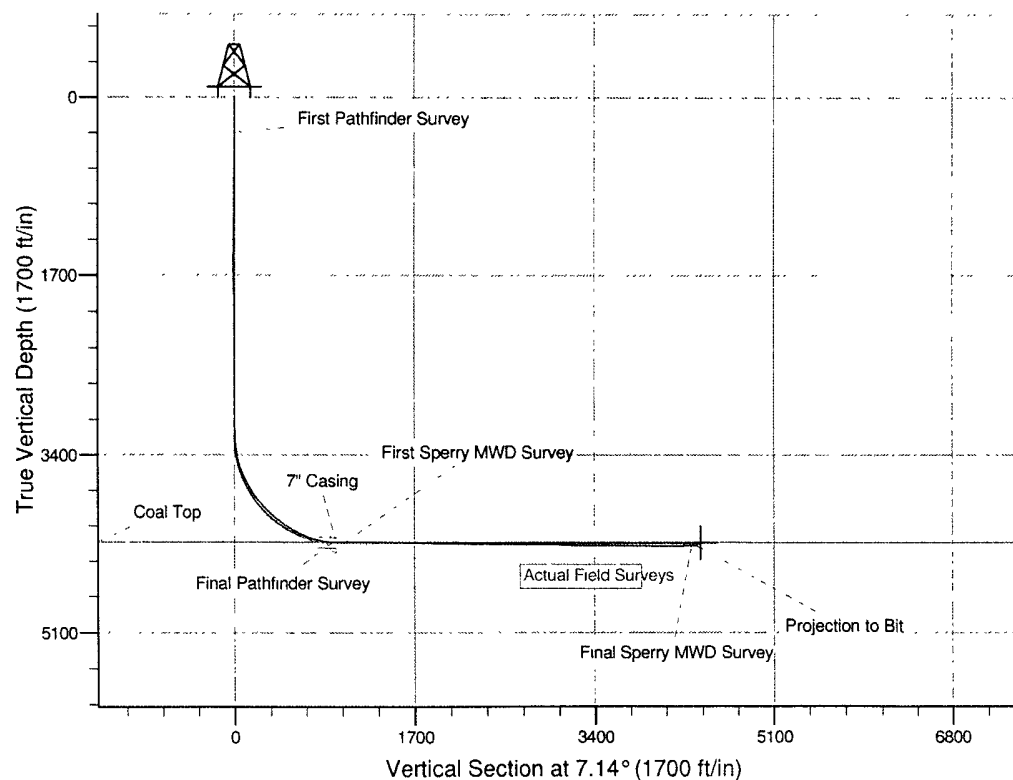
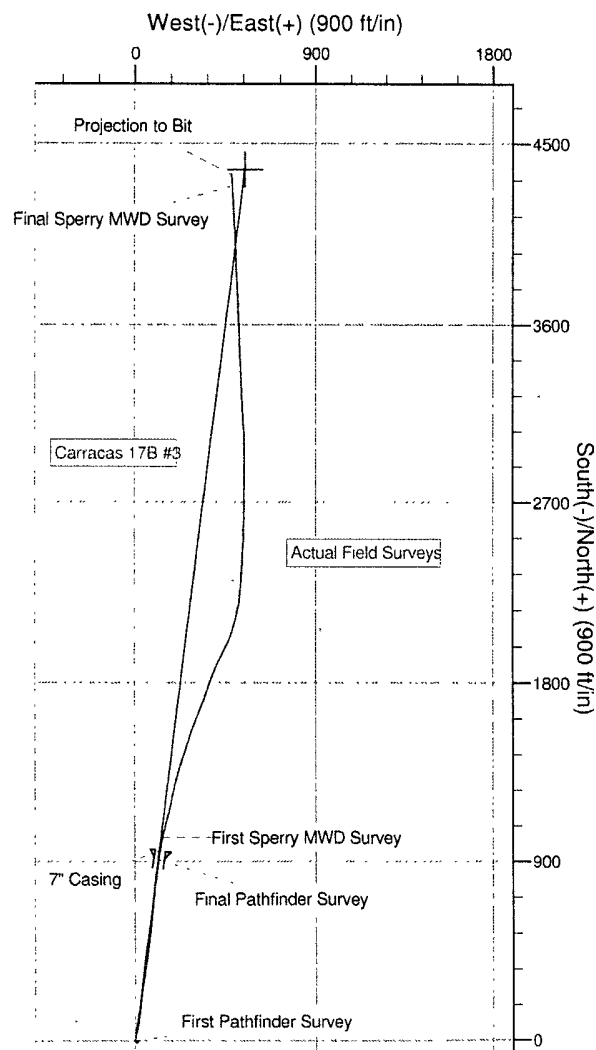
Drilling and Formation
Evaluation

WELL DETAILS: Carracas 17B #3

+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude
0.00	0.00	2178222.83	1339347.57	36° 58' 53.719 N	107° 16' 50.819 W

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
PBHL(#3)	4250.00	4367.97	547.20	36° 59' 36.907 N	107° 16' 44.074 W	



Design Report for Carracas 17B #3 - Actual Field Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00
337.00	0.35	227.490	337.00	-0.70	-0.76	-0.78	0.10
First Pathfinder Survey							
428.00	0.53	214.980	428.00	-1.23	-1.20	-1.37	0.22
518.00	0.62	192.330	517.99	-2.04	-1.55	-2.22	0.27
609.00	1.14	177.320	608.98	-3.43	-1.61	-3.60	0.62
698.00	1.41	173.390	697.96	-5.40	-1.44	-5.54	0.32
789.00	0.62	211.230	788.94	-6.94	-1.57	-7.08	1.09
879.00	0.09	97.610	878.94	-7.36	-1.75	-7.52	0.73
972.00	1.06	68.810	971.94	-7.06	-0.88	-7.11	1.06
1,067.00	0.97	110.540	1,066.92	-7.02	0.70	-6.88	0.77
1,165.00	0.79	138.420	1,164.91	-7.82	1.92	-7.52	0.47
1,260.00	1.06	140.740	1,259.90	-8.99	2.91	-8.56	0.29
1,355.00	1.06	145.230	1,354.88	-10.39	3.97	-9.82	0.09
1,450.00	1.06	153.490	1,449.87	-11.90	4.86	-11.20	0.16
1,544.00	1.14	112.760	1,543.85	-13.04	6.11	-12.18	0.82
1,634.00	1.06	78.650	1,633.83	-13.22	7.75	-12.16	0.72
1,725.00	1.32	21.210	1,724.82	-12.08	8.96	-10.87	1.28
1,814.00	1.76	18.820	1,813.79	-9.83	9.77	-8.54	0.50
1,905.00	1.85	349.000	1,904.74	-7.07	9.94	-5.78	1.03
1,996.00	0.62	320.970	1,995.72	-5.24	9.35	-4.04	1.47
2,085.00	0.44	303.610	2,084.72	-4.68	8.76	-3.55	0.27
2,176.00	0.53	310.700	2,175.71	-4.21	8.15	-3.17	0.12
2,267.00	0.62	300.720	2,266.71	-3.69	7.41	-2.74	0.15
2,357.00	0.62	303.080	2,356.70	-3.17	6.58	-2.33	0.03
2,448.00	0.53	275.100	2,447.70	-2.86	5.75	-2.13	0.32
2,537.00	0.62	286.730	2,536.69	-2.69	4.88	-2.06	0.17
2,628.00	0.88	276.900	2,627.69	-2.46	3.72	-1.98	0.32
2,719.00	0.88	276.820	2,718.68	-2.30	2.33	-1.99	0.00
2,810.00	0.79	263.270	2,809.67	-2.29	1.01	-2.14	0.24
2,908.00	0.79	268.060	2,907.66	-2.39	-0.34	-2.41	0.07
2,998.00	0.62	317.340	2,997.65	-2.05	-1.29	-2.20	0.68
3,088.00	1.49	2.810	3,087.64	-0.53	-1.56	-0.72	1.27
3,179.00	1.58	9.770	3,178.60	1.89	-1.29	1.72	0.23
3,209.00	1.76	11.420	3,208.59	2.75	-1.13	2.59	0.62
3,239.00	1.76	8.750	3,238.58	3.66	-0.96	3.51	0.27
3,269.00	2.64	13.300	3,268.55	4.79	-0.74	4.66	2.99
3,299.00	4.31	12.310	3,298.50	6.56	-0.34	6.47	5.57
3,330.00	5.89	12.730	3,329.37	9.25	0.26	9.21	5.10
3,361.00	7.56	10.590	3,360.16	12.81	0.99	12.83	5.45
3,391.00	9.67	9.950	3,389.82	17.23	1.79	17.32	7.04
3,423.00	11.70	9.810	3,421.26	23.07	2.80	23.24	6.34
3,454.00	13.89	11.000	3,451.49	29.82	4.05	30.10	7.12
3,486.00	16.18	11.570	3,482.39	37.96	5.68	38.37	7.17
3,518.00	18.20	12.370	3,512.96	47.21	7.64	47.80	6.36
3,550.00	19.96	12.450	3,543.20	57.43	9.89	58.21	5.50
3,581.00	21.72	11.460	3,572.18	68.22	12.17	69.20	5.79
3,612.00	23.57	9.360	3,600.78	79.96	14.32	81.12	6.51
3,644.00	25.32	7.800	3,629.92	93.05	16.29	94.35	5.83
3,686.00	27.26	6.650	3,667.57	111.50	18.62	112.95	4.78

Design Report for Carracas 17B #3 - Actual Field Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,708.00	27.70	6.260	3,687.09	121.59	19.76	123.10	2.16
3,739.00	29.11	5.950	3,714.35	136.25	21.33	137.85	4.57
3,771.00	31.30	6.070	3,742.01	152.26	23.01	153.94	6.85
3,802.00	33.24	7.060	3,768.22	168.70	24.91	170.49	6.49
3,834.00	35.00	7.830	3,794.71	186.50	27.24	188.44	5.66
3,866.00	37.02	8.020	3,820.59	205.13	29.83	207.25	6.32
3,898.00	38.78	8.540	3,845.84	224.59	32.67	226.90	5.59
3,929.00	40.36	8.290	3,869.74	244.12	35.56	246.65	5.12
3,960.00	42.12	8.190	3,893.05	264.34	38.48	267.08	5.68
3,992.00	42.91	8.290	3,916.64	285.75	41.58	288.70	2.48
4,024.00	43.79	8.590	3,939.90	307.47	44.81	310.66	2.82
4,056.00	45.73	8.120	3,962.63	329.77	48.08	333.18	6.15
4,087.00	48.54	7.050	3,983.71	352.29	51.07	355.90	9.41
4,119.00	50.65	6.680	4,004.45	376.48	53.99	380.27	6.65
4,150.00	51.79	6.460	4,023.87	400.48	56.75	404.43	3.72
4,182.00	52.85	6.630	4,043.43	425.65	59.64	429.76	3.34
4,212.00	54.52	7.010	4,061.20	449.65	62.51	453.93	5.66
4,244.00	56.10	7.250	4,079.41	475.75	65.77	480.24	4.98
4,276.00	57.60	7.430	4,096.90	502.33	69.20	507.03	4.71
4,307.00	59.53	7.440	4,113.07	528.55	72.62	533.48	6.23
4,339.00	61.20	7.490	4,128.89	556.13	76.23	561.29	5.22
4,371.00	61.64	6.720	4,144.20	584.01	79.71	589.39	2.52
4,403.00	62.78	5.900	4,159.12	612.15	82.82	617.70	4.22
4,434.00	64.54	5.690	4,172.88	639.79	85.62	645.47	5.71
4,466.00	67.18	5.760	4,185.96	668.84	88.54	674.66	8.25
4,497.00	70.52	6.240	4,197.15	697.59	91.56	703.56	10.87
4,529.00	72.72	6.540	4,207.24	727.77	94.94	733.93	6.93
4,560.00	74.57	6.860	4,215.96	757.31	98.41	763.67	6.05
4,592.00	77.29	7.280	4,223.74	788.11	102.23	794.71	8.59
4,624.00	79.49	7.170	4,230.18	819.21	106.17	826.05	6.88
4,646.28	80.78	7.072	4,234.00	840.99	108.89	848.00	5.80
Coal Top							
4,656.00	81.34	7.030	4,235.51	850.52	110.07	857.60	5.80
4,687.00	83.27	6.750	4,239.66	881.01	113.76	888.32	6.29
4,716.00	85.38	6.740	4,242.53	909.67	117.15	917.18	7.28
Final Pathfinder Survey							
4,763.00	87.49	9.431	4,245.45	956.11	123.75	964.07	7.27
7" Casing							
4,831.00	90.55	13.310	4,246.62	1,022.74	137.15	1,031.86	7.27
First Sperry MWD Survey							
4,862.00	91.48	13.420	4,246.07	1,052.90	144.31	1,062.67	3.02
4,894.00	91.98	14.640	4,245.10	1,083.93	152.06	1,094.42	4.12
4,926.00	92.22	14.270	4,243.93	1,114.89	160.05	1,126.14	1.38
4,957.00	90.86	13.150	4,243.09	1,145.00	167.39	1,156.92	5.68
4,989.00	90.06	11.920	4,242.84	1,176.23	174.34	1,188.78	4.59
5,021.00	89.88	11.990	4,242.85	1,207.54	180.96	1,220.67	0.60
5,052.00	89.32	12.340	4,243.07	1,237.84	187.50	1,251.55	2.13
5,083.00	88.39	12.120	4,243.69	1,268.13	194.06	1,282.42	3.08
5,115.00	88.64	14.460	4,244.52	1,299.26	201.42	1,314.22	7.35
5,147.00	88.83	15.480	4,245.23	1,330.17	209.68	1,345.91	3.24
5,178.00	88.33	15.620	4,245.99	1,360.02	217.99	1,376.57	1.67

Design Report for Carracas 17B #3 - Actual Field Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
5,211.00	88.21	16.820	4,246.99	1,391.69	227.20	1,409.14	3.65
5,243.00	89.07	17.330	4,247.75	1,422.28	236.59	1,440.65	3.12
5,275.00	89.94	18.320	4,248.03	1,452.74	246.39	1,472.10	4.12
5,306.00	89.69	18.700	4,248.13	1,482.13	256.23	1,502.49	1.47
5,338.00	89.75	17.910	4,248.28	1,512.51	266.28	1,533.88	2.48
5,369.00	88.83	18.090	4,248.67	1,541.99	275.86	1,564.32	3.02
5,401.00	88.21	19.210	4,249.49	1,572.30	286.09	1,595.67	4.00
5,433.00	88.46	19.770	4,250.42	1,602.46	296.76	1,626.92	1.92
5,476.00	88.77	22.740	4,251.46	1,642.51	312.34	1,668.60	6.94
5,506.00	89.45	22.270	4,251.93	1,670.23	323.82	1,697.53	2.76
5,537.00	90.12	21.290	4,252.05	1,699.01	335.33	1,727.52	3.83
5,568.00	88.39	20.290	4,252.45	1,727.99	346.33	1,757.64	6.45
5,600.00	88.27	19.270	4,253.38	1,758.09	357.15	1,788.85	3.21
5,632.00	87.77	19.710	4,254.49	1,788.24	367.82	1,820.09	2.08
5,664.00	87.90	21.610	4,255.70	1,818.16	379.10	1,851.18	5.95
5,695.00	87.78	22.490	4,256.86	1,846.87	390.73	1,881.11	2.86
5,727.00	86.85	21.910	4,258.36	1,876.46	402.81	1,911.98	3.42
5,758.00	88.21	25.420	4,259.70	1,904.83	415.24	1,941.67	12.13
5,790.00	88.77	27.570	4,260.54	1,933.45	429.51	1,971.85	6.94
5,822.00	90.68	27.690	4,260.70	1,961.80	444.35	2,001.82	5.98
5,853.00	90.43	24.830	4,260.40	1,989.60	458.06	2,031.11	9.26
5,884.00	90.37	21.170	4,260.18	2,018.13	470.17	2,060.92	11.81
5,915.00	90.00	18.540	4,260.08	2,047.28	480.70	2,091.16	8.57
5,947.00	90.68	16.420	4,259.89	2,077.80	490.31	2,122.64	6.96
5,978.00	90.31	14.590	4,259.62	2,107.67	498.60	2,153.30	6.02
6,009.00	89.38	13.720	4,259.71	2,137.73	506.18	2,184.07	4.11
6,041.00	87.96	10.850	4,260.45	2,168.98	512.99	2,215.93	10.00
6,072.00	88.52	8.040	4,261.40	2,199.55	518.07	2,246.89	9.24
6,104.00	89.63	5.250	4,261.92	2,231.32	521.77	2,278.88	9.38
6,135.00	90.86	4.630	4,261.78	2,262.21	524.44	2,309.85	4.44
6,167.00	91.30	4.660	4,261.18	2,294.10	527.03	2,341.82	1.38
6,199.00	90.25	3.930	4,260.75	2,326.00	529.43	2,373.77	4.00
6,230.00	88.58	3.630	4,261.07	2,356.93	531.47	2,404.72	5.47
6,262.00	88.89	3.090	4,261.77	2,388.87	533.35	2,436.64	1.95
6,293.00	89.26	2.880	4,262.27	2,419.82	534.96	2,467.55	1.37
6,325.00	89.63	3.600	4,262.58	2,451.77	536.77	2,499.48	2.53
6,357.00	89.38	2.700	4,262.86	2,483.72	538.53	2,531.40	2.92
6,388.00	89.38	1.470	4,263.19	2,514.70	539.66	2,562.28	3.97
6,419.00	89.26	1.040	4,263.56	2,545.69	540.34	2,593.11	1.44
6,451.00	88.70	0.930	4,264.13	2,577.68	540.89	2,624.92	1.78
6,483.00	88.77	0.700	4,264.84	2,609.67	541.34	2,656.72	0.75
6,515.00	88.58	0.190	4,265.58	2,641.66	541.59	2,688.49	1.70
6,546.00	89.32	0.880	4,266.15	2,672.65	541.88	2,719.28	3.26
6,578.00	89.69	1.150	4,266.42	2,704.64	542.45	2,751.10	1.43
6,609.00	90.06	0.910	4,266.49	2,735.64	543.00	2,781.92	1.42
6,640.00	90.37	0.840	4,266.37	2,766.64	543.48	2,812.73	1.03
6,671.00	90.49	0.250	4,266.14	2,797.63	543.77	2,843.53	1.94
6,703.00	90.74	0.260	4,265.80	2,829.63	543.91	2,875.30	0.78
6,735.00	91.36	0.670	4,265.21	2,861.62	544.17	2,907.07	2.32
6,766.00	90.31	0.060	4,264.76	2,892.62	544.37	2,937.85	3.92
6,798.00	87.84	359.410	4,265.28	2,924.61	544.22	2,969.58	7.98

Design Report for Carracas 17B #3 - Actual Field Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,829.00	87.72	359.030	4,266.48	2,955.59	543.80	3,000.26	1.28
6,861.00	88.15	359.030	4,267.63	2,987.56	543.26	3,031.92	1.34
6,893.00	88.27	358.910	4,268.63	3,019.54	542.68	3,063.58	0.53
6,925.00	87.53	357.480	4,269.80	3,051.50	541.68	3,095.17	5.03
6,956.00	87.16	356.520	4,271.24	3,082.43	540.06	3,125.65	3.32
6,988.00	87.35	356.280	4,272.77	3,114.33	538.05	3,157.05	0.96
7,019.00	87.59	356.200	4,274.14	3,145.23	536.02	3,187.46	0.82
7,051.00	88.03	356.520	4,275.36	3,177.14	533.99	3,218.88	1.70
7,082.00	89.94	357.940	4,275.91	3,208.10	532.49	3,249.41	7.68
7,113.00	90.43	357.640	4,275.81	3,239.07	531.30	3,280.00	1.85
7,145.00	90.80	358.010	4,275.47	3,271.05	530.08	3,311.57	1.64
7,177.00	90.80	356.750	4,275.02	3,303.01	528.62	3,343.10	3.94
7,208.00	90.99	357.420	4,274.54	3,333.97	527.04	3,373.62	2.25
7,240.00	90.12	357.350	4,274.23	3,365.93	525.58	3,405.16	2.73
7,271.00	90.25	357.980	4,274.13	3,396.91	524.32	3,435.74	2.08
7,303.00	90.68	357.510	4,273.87	3,428.88	523.06	3,467.31	1.99
7,334.00	91.24	357.270	4,273.35	3,459.84	521.65	3,497.85	1.97
7,366.00	90.37	358.250	4,272.90	3,491.82	520.40	3,529.42	4.09
7,398.00	88.15	357.650	4,273.31	3,523.79	519.25	3,561.01	7.19
7,429.00	87.96	357.900	4,274.36	3,554.75	518.05	3,591.58	1.01
7,461.00	88.09	357.720	4,275.47	3,586.71	516.83	3,623.13	0.69
7,493.00	88.51	357.470	4,276.42	3,618.66	515.49	3,654.68	1.53
7,524.00	89.07	357.500	4,277.07	3,649.63	514.13	3,685.23	1.81
7,556.00	89.26	357.940	4,277.54	3,681.60	512.85	3,716.80	1.50
7,588.00	89.88	358.260	4,277.78	3,713.58	511.79	3,748.40	2.18
7,620.00	90.25	357.340	4,277.74	3,745.56	510.56	3,779.97	3.10
7,651.00	90.62	356.820	4,277.50	3,776.52	508.99	3,810.49	2.06
7,683.00	90.92	356.620	4,277.07	3,808.46	507.16	3,841.96	1.13
7,715.00	89.07	357.160	4,277.08	3,840.41	505.42	3,873.45	6.02
7,747.00	88.64	357.960	4,277.72	3,872.38	504.06	3,905.00	2.84
7,779.00	88.95	357.780	4,278.39	3,904.35	502.87	3,936.57	1.12
7,811.00	89.44	358.170	4,278.84	3,936.32	501.74	3,968.16	1.96
7,842.00	89.69	358.430	4,279.07	3,967.31	500.82	3,998.79	1.16
7,874.00	90.06	357.080	4,279.14	3,999.28	499.56	4,030.36	4.37
7,906.00	90.00	357.370	4,279.13	4,031.25	498.01	4,061.88	0.93
7,937.00	89.82	356.840	4,279.18	4,062.21	496.45	4,092.41	1.81
7,968.00	90.06	356.850	4,279.21	4,093.16	494.74	4,122.91	0.77
8,000.00	90.27	357.030	4,279.12	4,125.11	493.03	4,154.41	0.86
8,032.00	90.86	356.580	4,278.80	4,157.06	491.25	4,185.88	2.32
8,064.00	91.30	356.290	4,278.20	4,188.99	489.26	4,217.32	1.65
8,096.00	91.60	356.850	4,277.39	4,220.93	487.35	4,248.77	1.98
8,127.00	92.16	356.380	4,276.37	4,251.85	485.52	4,279.23	2.36
8,167.00	90.62	356.180	4,275.40	4,291.76	482.92	4,318.50	3.88

Final Sperry MWD Survey

8,223.00	90.62	356.180	4,274.80	4,347.63	479.19	4,373.48	0.00
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Projection to Bit - PBHL(#3)

8223	90.62	356.18	4274.37	4347.53	476.53		
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Design Report for Carracas 17B #3 - Actual Field Surveys

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
337.00	337.00	-0.70	-0.76	First Pathfinder Survey
4,716.00	4,242.53	909.67	117.15	Final Pathfinder Survey
4,831.00	4,246.62	1,022.74	137.15	First Sperry MWD Survey
8,167.00	4,275.40	4,291.76	482.92	Final Sperry MWD Survey
8,223.00	4,274.80	4,347.63	479.19	Projection to Bit

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	PBHL(#3)	7.141	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
337.00	4,716.00	Pathfinder MWD Surveys	MWD
4,831.00	8,223.00	Sperry MWD Surveys	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,763.00	4,245.45	7" Casing	7	7

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	TVDSS (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,646.28	4,234.00	-3,221.00	Coal Top		0.000	

Targets

Target Name - hit/miss target, - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(#3)	0.00	0.00	4,250.00	4,367.97	547.20	2,182,584.64	1,339,942.02	36° 59' 36.907 N	107° 16' 44.074 W
- actual wellpath misses target center by 75.19ft at 8223.00ft MD (4274.80 TVD, 4347.63 N, 479.19 E)									
- Point									