

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003
		WELL API NO. 30-015-33885
		5. Indicate Type of Lease STATE ☒ FEE ☐
		State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name Carrasco 6 Com RECEIVED JUL 11 2005 OCDA-ARTESIA
b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. WELL OVER BACK RESVR. ☐ OTHER		
2. Name of Operator Chesapeake Operating, Inc.		8. Well No. 002
3. Address of Operator P. O. Box 11050 Midland, TX 79702-8050		9. Pool name or Wildcat Loving;Morrow,North (Gas)
4. Well Location Unit Letter O 1240 Feet From The South Line and 1463 Feet From The East Line Section 6 Township 23S Range 28E NMPM Eddy County		
10. Date Spudded 01/12/2005	11. Date T.D. Reached 03/28/2005	12. Date Compl. (Ready to Prod.) 06/04/2005
		13. Elevations (DF& RKB, RT, GR, etc.) 3048 GR
		14. Elev. Casinghead
15. Total Depth 12655	16. Plug Back T.D. 12555.57	17. If Multiple Compl. How Many Zones?
		18. Intervals Drilled By 0 - 12655
19. Producing Interval(s), of this completion - Top, Bottom, Name 12054 - 12480; Morrow		20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run CBL/CCL/GR		22. Was Well Cored No
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
13 3/8"	48#	385'
9 5/8"	36#	2425'
7"	26#	9580'
4 1/2"	13.5#	12655'
24. LINER RECORD		
SIZE	TOP	BOTTOM
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
2 3/8"	11966'	11968
26. Perforation record (interval, size, and number) 12,458 - 80 - 4 spf 12,338 - 344 - 4 spf 12054 - 94 - 4 spf 56762# 20/40 Carbolite		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 12458 - 80 12338 - 344 12054 - 94 AMOUNT AND KIND MATERIAL USED 1300 gal 7.5% HCL 2982 gal 40# Binary pad 23898 gals 40# Binary fluid
28. PRODUCTION		
Date First Production 06/05/2005		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing
		Well Status (<i>Prod. or Shut-in</i>) producing
Date of Test 06/16/2005	Hours Tested 24	Choke Size 32/64"
		Prod'n For Test Period
		Oil - Bbl 0
		Gas - MCF 1737
		Water - Bbl. 22
		Gas - Oil Ratio
Flow Tubing Press. 600	Casing Pressure 0	Calculated 24-Hour Rate
		Oil - Bbl. 0
		Gas - MCF 1737
		Water - Bbl. 22
		Oil Gravity - API - (Corr.)
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold		Test Witnessed By
30. List Attachments Logs; C-104; C-102; Inclination Report		
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature		Printed Name Brenda Coffman
E-mail Address bcoffman@chkenergy.com		Title Regulatory Analyst
		Date 07/08/2005

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico	
T. Anhy	T. Canyon		T. Ojo Alamo	T. Penn "B"
T. Salt	T. Strawn	10969	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	11316	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss		T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee		Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger		T. Dakota	T.
T. Blinebry	T. Gr. Wash		T. Morrison	T.
T. Tubb	T. Delaware Sand		T. Todilto	T.
T. Drinkard	T. Bone Springs		T. Entrada	T.
T. Abo	T. 12013		T. Wingate	T.
T. Wolfcamp 9317	T. 12494		T. Chinle	T.
T. Penn	T.		T. Permian	T.
T. Cisco (Bough C) 10605	T.		T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	2414	2414	Anhydrite/Salt/Dolo				
2414	5972	3558	Sand/Shale				
5972	9317	3345	Limestone/fine sand/shale				
9317	10605	1288	Shale/Limestone				
10605	10969	364	Limestone/Blackshale				
10969	11316	347	Limestone/Chert				
11316	11442	126	Shale/minor limestone,sand				
11442	12013	571	Limestone,chert/shale/sand				
12013	12494	481	Sand/shale				
12494	12655	161	Shale/Silt/minor sand				

DISTRICT I
1025 N. French Dr., Hobbs, NM 58240

DISTRICT II
011 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33885	Pool Code 80695	Pool Name Loving;Morrow,North(Gas)
Property Code 34532	Property Name CARRASCO "6" COM	Well Number 2
GRID No. 147179	Operator Name CHESAPEAKE OPERATING INC.	Elevation 3048'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	23 S	28 E		1240'	SOUTH	1463'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	6	23 S	28 E		660'	SOUTH	660'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	RECEIVED JUL 11 2005 OIL-ANTERO	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Brenda Coffman</i> Signature Brenda Coffman Printed Name Regulatory Analyst Title July 8, 2005 Date
	SL NAD 27 Lat.: N32.3305° Long.: W104.1221° BH NAD 27 Lat.: N32.3289° Long.: W104.1195°	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. NOVEMBER 2, 2004 Date Surveyed <i>[Signature]</i> Signature & Seal of Professional Surveyor NEW MEXICO W.C. No. 4388 License No. Gpry 4388 Jones 7977 JLP

**McVAY DRILLING COMPANY**

Post Office Box 924
Hobbs, New Mexico 88241
(505) 397-3311
FAX: 39-DRILL

Well Name and Number: Carrasco 6 # 2

Location: Sec 6, T23S, R28E, Eddy County New Mexico

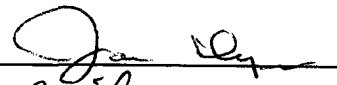
Operator: Chesapeake

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
¾	196	7 ¾	7467	½	11197
1 ¼	348	7 ¾	7776	½	11296
½	638	7 ½	7903	¼	10345
1	950	7 ¾	8029	1 ½	11441
1	1269	7 ¼	8092	½	11510
1 ½	1587	6 ¾	8156	½	11569
2 ½	1774	7 ¼	8220	1	11759
½	1931	7 ¾	8285	½	11826
2 ½	2088	8 ¾	8470	1	11951
2 ½	2213	8 ¾	8533	1	12024
2 ½	2306	8	8595	1	12077
2	2369	8	8723	1	12107
2 ¾	2443	8	8786	1	12171
2 ½	2599	8 ¾	8918	1	12234
2	2917	4.6	9206	1	12392
2 ½	3037	3.8	9349	1	12580
4 ½	3307	2.5	9411		
6 ¼	3399	2	9472		
7 ½	3564	½	9533		
7 ¾	4426	4	9677		
7 ¾	4519	1 ¾	9742		
7 ½	4770	2 ¼	9805		
7 ¾	5074	1 ½	9868		
7 ¾	5173	1 ¾	9932		
8	5359	1 ½	9995		
8	5549	1	10060		
8 ¼	5737	1 ½	10124		
8 ¼	5823	1 ¼	10187		
7 ½	6114	1	10251		
9 ½	6590	1	10377		
9 ¼	6653	½	10440		
8 ¾	6717	½	10503		
7 ½	6907	¾	10566		
7 ¾	6971	¾	10624		
7 ¾	7033	½	10692		
8 ¼	7095	½	10996		
7 ¾	7413	½	11007		

Drilling Contractor: McVay Drilling Company

By: 

Subscribed and sworn to before me this 14th day of April, 2005


Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico

CHESAPEAKE OPERATING, INC.
Carrasco 6 P2

slot #1
Pierce Crossing (Bone Springs)
Eddy County New Mexico

S U R V E Y L I S T I N G

by
Haker Hughes INTSO

Your ref : TOTCO
Our ref : svy2821
License :

Date printed : 18-Jul-2005
Date created : 18-Jul-2005
Last revised : 18-Jul-2005

Field is centred on n32 25 0.000,w104 12 0
Structure is centred on n32 19 49.800,w104 7 19.56

Slot location is n32 19 49.800,w104 7 19.560
Slot Grid coordinates are N 484016.304, E 565245.312
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001). Spheroid: Clarke - 1866

Reference North is Grid North

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, plot #1
Pierua Crossing (Boon Springs), Eddy County New Mex

SURVEY LISTING Page 1
Your ref : TOTCO
Last revised : 18-Jul-2005

Measured Depth	Inclin Degrees	Asimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES	Deg/100ft	Vert Sect	GRID Easting	COORDS Northing
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	565245.31	484016.20
100.00	0.47	211.20	100.00	0.39S	0.21W	0.47	565245.10	484015.95
200.00	0.48	201.90	200.00	1.09S	0.88W	0.08	565244.73	484015.21
299.99	1.05	196.43	299.98	2.33S	0.37W	0.79	565244.95	484013.98
399.96	1.46	176.74	399.92	4.43S	0.07E	0.60	565245.38	484011.87
499.94	1.10	161.14	499.88	6.62S	0.42E	0.47	565245.74	484009.68
599.91	1.33	174.37	599.83	8.69S	0.82E	0.23	565246.13	484007.81
699.89	0.85	181.80	699.79	10.99S	0.91E	0.60	565246.22	484005.71
799.88	0.94	173.78	799.77	12.18S	0.97E	0.15	565246.28	484004.16
899.87	0.96	194.35	899.74	13.77S	0.85E	0.34	565246.16	484002.63
999.86	0.88	176.86	999.72	15.35S	0.70E	0.31	565246.01	484000.98
1099.84	1.20	181.18	1099.68	17.16S	0.70E	0.35	565246.01	483999.14
1199.82	1.25	170.76	1199.64	19.28S	0.82E	0.27	565246.13	483997.02
1299.79	1.30	182.82	1299.59	21.49S	0.93E	0.27	565246.25	483994.81
1399.77	1.11	182.10	1399.54	23.99S	0.84E	0.19	565246.16	483992.71
1499.76	1.17	161.05	1499.50	25.51S	1.14E	0.42	565246.45	483990.78
1599.72	1.67	142.12	1599.44	27.66S	2.35E	0.66	565247.66	483988.65
1699.67	1.96	122.12	1699.34	29.73S	4.66E	0.72	565249.97	483986.58
1799.61	1.98	120.78	1799.23	31.81S	7.88E	0.05	565253.89	483984.79
1899.54	2.36	125.41	1899.08	33.88S	10.74E	0.41	565255.05	483982.72
1999.46	2.08	115.89	1999.93	35.96S	14.04E	0.46	565259.35	483980.74
2099.38	2.75	114.13	2099.76	37.34S	17.86E	0.67	565263.17	483978.97
2199.27	2.57	116.75	2199.54	39.32S	22.04E	0.22	565267.15	483976.98
2299.17	3.54	115.28	2299.34	41.28S	26.04E	0.07	565271.16	483975.03
2399.07	3.51	110.04	2399.15	43.97S	30.10E	0.21	565275.41	483973.33
2498.98	3.38	104.00	2497.97	44.22S	34.17E	0.29	565279.48	483972.08
2598.89	2.38	107.07	2597.79	45.33S	38.16E	0.13	565283.48	483970.97
2698.81	2.38	106.43	2697.62	46.53S	42.14E	0.03	565287.48	483969.77
2798.72	2.43	97.48	2797.45	47.39S	46.23E	0.38	565291.54	483968.91
2898.62	2.58	99.35	2897.25	48.03S	50.55E	0.17	565295.06	483968.27
2998.52	2.56	99.20	2997.05	48.79S	54.97E	0.02	565300.28	483967.55
3098.42	2.55	102.57	3096.86	49.60S	59.34E	0.15	565304.65	483966.71
3198.00	2.35	89.10	3196.38	49.86S	61.85E	1.02	565307.17	483966.44
3211.00	2.70	100.20	3209.33	50.07S	64.17E	1.13	565309.48	483966.24
3242.00	3.10	107.60	3240.29	50.49S	68.69E	1.76	565311.00	483965.85
3273.00	3.60	112.60	3271.23	51.08S	67.38E	1.86	565312.70	483965.23
3304.00	3.90	117.80	3302.17	51.94S	69.22E	1.48	565314.93	483964.36
3336.00	4.60	119.90	3324.08	52.09S	71.29E	2.24	565316.60	483963.22
3367.00	5.20	120.90	3364.97	54.43S	73.97E	1.95	565318.89	483961.87
3399.00	6.00	119.90	3396.81	56.01S	76.27E	2.52	565321.58	483960.30
3430.00	6.80	119.50	3427.62	57.72S	79.27E	2.58	565324.58	483958.58
3461.00	7.40	120.60	3458.38	59.64S	82.69E	1.98	565327.90	483956.66
3492.00	7.60	120.90	3489.12	61.71S	86.06E	0.65	565331.38	483954.60
3523.00	7.60	119.90	3519.84	63.78S	88.60E	0.43	565334.91	483952.52
3554.00	7.60	120.60	3550.57	65.85S	93.14E	0.30	565338.45	483950.46
3617.00	7.60	122.00	3621.02	70.18S	100.26E	0.29	565346.87	483946.12
3679.00	7.90	125.50	3674.45	74.82S	107.21E	0.90	565352.52	483941.48
3742.00	8.00	127.20	3736.85	79.99S	114.22E	0.41	565359.51	483936.32
3804.00	8.10	123.00	3798.22	85.03S	121.41E	1.08	565366.72	483931.27
3866.00	8.10	120.20	3859.57	89.72S	129.03E	0.68	565374.14	483926.58

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from plot #1 and TVD from rotary table.

Bottom hole distance is 914.98 on azimuth 123.13 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Corrozo 6 #2, slot #1
Pierce Crossing (Boma Springs), Eddy County New Mex

SURVEY LISTING Page 2
Your ref: TOTCO
Last revised: 18-Jul 2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES	Dogleg deg/100ft	Vert Sect	GRID Easting	COORDS Northing	
3928.00	8.30	119.50	3920.92	94.18S	136.80E	0.16	166.07	565382.11	483922.13
3991.00	8.10	120.90	3983.26	98.75S	144.66E	0.32	175.15	565389.97	483917.56
4052.00	8.40	121.30	4044.60	103.40S	152.36E	0.19	184.14	565397.68	483912.90
4114.00	8.40	120.60	4104.95	107.99S	160.01E	0.17	193.04	565405.32	483908.32
4176.00	8.30	124.40	4166.29	112.82S	167.60E	0.90	202.03	565412.81	483903.48
4239.00	8.40	125.10	4228.63	118.03S	175.11E	0.23	211.18	565420.43	483898.27
4331.00	8.30	123.40	4319.65	125.88S	186.16E	0.29	224.54	565431.47	483890.75
4426.00	7.90	126.10	4419.70	131.08S	197.22E	0.49	237.92	565442.53	483883.22
4519.00	7.70	124.80	4508.84	140.11S	207.57E	0.22	250.54	565452.88	483875.99
4613.00	7.70	125.10	4598.99	147.53S	217.89E	0.04	263.14	565463.20	483868.78
4706.00	7.40	125.50	4691.19	154.59S	227.86E	0.33	275.35	565473.17	483861.72
4799.00	7.90	121.70	4783.36	161.61S	238.06E	0.60	287.73	565483.37	483854.69
4892.00	8.00	121.40	4875.47	168.72S	248.78E	0.12	300.89	565494.09	483847.68
4985.00	7.70	127.40	4967.60	176.07S	259.13E	0.67	313.28	565504.44	483840.24
5079.00	7.80	123.00	5060.74	183.37S	269.48E	0.64	326.96	565514.79	483832.94
5173.00	7.90	121.70	5153.86	190.42S	280.20E	0.15	338.78	565525.52	483825.88
5266.00	8.10	124.10	5245.95	197.64S	290.95E	0.22	351.73	565536.26	483818.66
5359.00	8.00	123.40	5338.04	204.88S	301.78E	0.15	364.75	565547.09	483811.42
5453.00	8.00	123.00	5431.12	212.04S	312.72E	0.06	377.83	565558.03	483804.26
5549.00	8.00	121.90	5526.19	219.21S	324.00E	0.16	391.19	565569.31	483797.09
5643.00	8.00	121.60	5619.27	226.10S	335.12E	0.04	404.26	565580.43	483790.21
5736.00	8.20	123.00	5711.34	233.10S	346.19E	0.30	417.36	565591.61	483783.21
5830.00	8.30	123.00	5804.37	240.34S	357.67E	0.19	430.84	565602.88	483775.96
5923.00	8.20	124.10	5896.41	247.62S	368.76E	0.34	444.18	565614.07	483768.68
6018.00	8.00	123.40	5990.46	255.06S	379.88E	0.23	457.56	565625.20	483761.25
6114.00	7.60	120.60	6085.57	261.97S	390.93E	0.57	470.58	565636.24	483754.34
6208.00	7.10	123.70	6178.80	268.35S	401.11E	0.68	482.59	565646.42	483747.96
6272.00	7.20	124.10	6242.30	272.80S	407.72E	0.17	490.86	565658.03	483741.51
6335.00	7.70	126.20	6304.77	277.80S	414.40E	0.90	498.73	565669.71	483738.80
6399.00	7.70	124.80	6368.19	282.48S	421.38E	0.29	507.30	565680.69	483733.82
6463.00	8.00	126.90	6431.59	287.58S	428.48E	0.59	516.03	565693.79	483728.72
6526.00	8.70	126.80	6493.93	292.97S	435.87E	1.12	525.18	565704.18	483723.33
6590.00	9.60	124.80	6557.12	298.82S	444.13E	1.27	535.20	565715.44	483717.48
6652.00	9.10	124.40	6619.27	304.66S	452.60E	0.31	545.59	565727.01	483711.84
6716.00	8.90	123.00	6681.48	310.19S	460.89E	0.73	555.55	565738.20	483706.11
6784.00	8.50	124.00	6748.93	314.20S	466.94E	0.89	562.81	565749.25	483702.11
6851.00	7.80	126.20	6748.76	318.58S	468.91E	4.81	568.22	565760.22	483700.72
6844.00	7.60	125.10	6808.20	320.47S	475.73E	0.51	571.60	565771.04	483695.83
6907.00	7.60	127.90	6870.65	325.39S	482.38E	0.61	581.87	565782.69	483690.91
6971.00	7.70	130.80	6934.08	330.80S	488.96E	0.62	590.35	565794.27	483685.51
7033.00	7.80	130.80	6995.52	336.26S	495.29E	0.16	598.85	565805.60	483680.04
7095.00	8.20	129.70	7056.91	341.83S	501.80E	0.69	607.23	565817.19	483674.47
7159.00	8.30	129.00	7120.35	347.66S	508.98E	0.22	616.37	565828.29	483668.66
7222.00	8.30	129.00	7182.99	353.38S	516.05E	0.00	625.43	565839.36	483662.93
7285.00	8.40	129.70	7244.92	359.18S	523.12E	0.23	634.54	565850.43	483657.12
7349.00	8.00	125.50	7308.27	364.75S	530.34E	1.13	643.65	565861.66	483651.66
7413.00	7.80	123.40	7371.66	369.73S	537.60E	0.55	652.44	565872.91	483646.67
7476.00	7.90	123.40	7434.07	374.47S	544.78E	0.16	661.08	565884.09	483641.84
7562.00	7.90	123.00	7519.25	380.94S	554.67E	0.06	672.86	565895.98	483635.37
7609.00	7.50	121.60	7569.83	384.30S	559.99E	0.94	679.16	565907.30	483632.00

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 934.98 on azimuth 123.13 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.
Grid is morator - New Mexico East (3001).
Grid coordinates in PSET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
 CHESAPEAKE #2, slot #1
 Pierce Crossing (Bene Springs), Eddy County New Mex

SURVEY LISTING Page 3
 Your ref : TORCO
 Last revised : 18-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES	Dogleg Deg/100ft	Vert Sect	GRID Easting	COORDS Northing	
7666.00	7.70	119.80	7622.33	388.098	566.51E	0.74	686.68	868811.82	481628.21
7729.00	7.80	119.90	7684.75	392.26S	573.91E	0.28	699.14	868819.22	481624.08
7776.00	7.70	120.10	7731.32	395.43S	579.40E	0.22	701.47	868824.71	481620.88
7828.00	7.70	120.00	7782.86	398.92S	585.43E	0.09	708.42	868830.74	481617.39
7839.00	7.50	121.60	7793.76	399.66S	586.68E	2.68	709.87	868831.99	481616.64
7903.00	7.60	124.40	7857.30	404.24S	593.73E	0.60	718.27	868839.04	481612.06
7945.00	8.00	124.10	7918.63	408.97S	600.69E	0.46	726.09	868848.00	481607.33
8029.00	7.80	124.80	7982.02	413.95S	607.94E	0.35	735.48	868853.25	481602.35
8092.00	7.20	127.30	8044.48	418.78S	614.69E	1.07	743.70	868859.91	481597.53
8156.00	6.90	128.60	8108.00	423.60S	620.79E	0.54	751.54	868866.11	481592.70
8220.00	7.10	127.20	8171.52	428.39S	626.95E	0.41	759.32	868872.26	481587.91
8283.00	7.80	120.20	8233.99	432.89S	633.75E	1.82	767.47	868879.06	481583.41
8346.00	6.30	116.30	8296.37	437.06S	641.52E	1.17	776.24	868886.83	481579.24
8410.00	8.40	118.10	8359.69	441.31S	649.78E	0.44	785.47	868893.09	481575.00
8470.00	8.80	120.20	8419.02	445.68S	657.61E	0.85	794.41	868902.93	481570.62
8533.00	8.70	123.40	8481.29	450.73S	665.76E	0.79	803.98	868911.07	481565.58
8595.00	8.10	124.10	8542.62	455.76S	673.29E	0.98	813.04	868918.60	481560.58
8659.00	8.20	124.10	8605.97	460.84S	680.80E	0.16	822.21	868926.11	481555.46
8723.00	7.90	126.50	8669.34	466.02S	688.12E	0.70	831.07	868933.43	481550.28
8786.00	8.00	125.80	8731.74	471.16S	695.15E	0.22	839.78	868940.46	481545.14
8855.00	2.60	124.70	8800.02	476.87S	703.24E	0.76	849.68	868948.55	481539.41
8918.00	8.80	125.80	8862.31	482.34S	710.98E	0.54	859.15	868956.29	481533.96
9004.00	8.40	125.00	8947.34	489.79S	721.46E	0.49	872.00	868966.77	481528.51
9045.00	7.80	120.60	8987.93	492.98S	726.30E	2.10	877.78	868971.62	481523.38
9107.00	7.10	119.80	9049.41	496.98S	733.25E	1.14	886.80	868978.56	481519.33
9163.00	6.10	120.00	9108.03	500.23S	738.91E	1.43	892.31	868984.22	481516.07
9226.00	5.40	121.10	9166.70	503.44S	744.38E	1.46	898.62	868989.87	481512.86
9286.00	4.60	126.00	9227.47	506.26S	748.79E	1.49	903.93	868994.10	481509.94
9348.00	2.80	127.00	9289.30	509.06S	752.44E	1.30	908.47	868997.76	481507.24
9410.00	2.50	125.00	9351.21	511.07S	755.19E	2.10	911.87	869000.50	481505.21
9471.00	1.90	131.00	9413.16	512.50S	757.06E	1.06	914.21	869003.36	481503.80
9532.00	0.50	94.00	9473.15	513.18S	768.08E	2.51	915.44	869003.39	481503.12
9647.00	0.40	106.80	9588.14	513.33S	768.96E	0.12	916.38	869004.27	481502.98
9742.00	1.80	220.10	9683.13	514.56S	768.32E	2.10	918.41	869003.63	481501.76
9805.00	2.20	221.10	9746.09	516.23S	766.89E	0.84	916.16	869002.20	481500.08
9888.00	1.60	210.90	9809.06	517.89S	755.64E	1.09	916.06	869000.95	481498.41
9932.00	1.70	193.70	9873.03	519.58S	754.96E	0.79	916.44	869000.27	481496.72
9995.00	1.40	207.00	9936.01	521.17S	784.39E	0.74	916.86	869000.70	481495.13
10060.00	0.90	141.30	10001.00	522.38S	754.36E	2.03	917.44	869000.66	481494.02
10124.00	1.40	106.10	10064.98	522.88S	755.41E	1.34	918.66	869000.73	481493.43
10187.00	1.10	97.40	10127.97	523.17S	756.87E	0.33	920.03	869002.18	481493.14
10314.00	1.00	123.70	10254.94	523.97S	759.22E	0.47	922.41	869004.53	481492.33
10377.00	1.00	123.70	10317.93	524.58S	760.13E	0.00	923.52	869005.44	481491.72
10440.00	0.50	157.10	10380.93	525.14S	760.70E	1.02	924.21	869006.01	481491.17
10503.00	0.50	121.60	10443.92	525.63S	761.04E	0.48	924.81	869006.35	481490.77
10566.00	0.80	113.60	10506.92	525.88S	761.59E	0.52	925.52	869006.90	481490.32
10629.00	0.40	27.70	10569.92	526.09S	762.01E	1.67	925.93	869007.32	481490.21
10692.00	0.50	158.90	10632.92	525.62S	762.11E	0.19	925.75	869007.42	481490.68
10769.00	0.40	14.00	10693.92	525.15S	762.16E	0.26	925.52	869007.47	481491.16
10817.00	0.40	19.00	10757.91	524.72S	762.28E	0.05	925.38	869007.59	481491.58

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 934.88 on azimuth 123.13 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
 Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, plot #1
Pierce Crossing (Bone Springs), Eddy County New Mex

SURVEY LISTING Page 1
Your ref : TOTCO
Last revised : 18-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES	Dogleg Deg/100ft	Vert Sect	GRID COORDS Easting Northing
10880.00	0.40	29.50	10820.91	524.32S	762.46E	0.12	925.31 566007.77 483491.98
10944.00	0.50	334.70	10884.91	523.87S	762.45E	0.66	925.09 566007.76 483492.43
11007.00	0.50	356.80	10947.91	523.36S	762.32E	0.30	924.66 566007.63 483492.95
11070.00	0.30	352.90	11010.91	523.91S	762.28E	0.22	924.27 566007.59 483493.39
11135.00	0.30	21.40	11075.90	522.59S	762.32E	0.23	924.23 566007.64 483493.72
11198.00	0.40	35.40	11138.90	522.25S	762.51E	0.21	924.19 566007.82 483494.05
11261.00	0.40	57.30	11201.90	521.95S	762.82E	0.24	924.29 566008.14 483494.35
11321.00	0.40	45.00	11261.90	521.69S	763.15E	0.14	924.41 566008.46 483494.61
11385.00	0.30	70.30	11325.90	521.48S	763.46E	0.28	924.55 566008.78 483494.82
11409.00	1.00	70.00	11249.90	521.19S	763.72E	2.92	924.71 566009.03 483494.92
11500.00	0.80	81.30	11440.89	521.04S	765.10E	0.32	925.66 566010.41 483495.26
11600.00	0.99	80.70	11540.87	520.82S	766.64E	0.19	926.82 566011.95 483495.48
11700.00	1.63	99.30	11640.85	520.91S	768.90E	0.76	928.74 566014.21 483495.39
11800.00	1.81	94.40	11740.80	521.26S	771.88E	0.23	931.40 566017.19 483495.04
11900.00	1.68	87.40	11840.76	521.32S	774.92E	0.25	933.95 566020.23 483494.99
12000.00	1.25	66.30	11940.72	520.81S	777.18E	0.68	935.71 566022.69 483495.49
12100.00	0.81	56.20	12040.71	519.98S	778.97E	0.47	936.98 566024.28 483496.32
12200.00	1.12	25.90	12140.69	518.71S	779.98E	0.59	936.68 566025.29 483497.60
12220.00	1.70	21.30	12160.69	518.23S	780.17E	2.99	936.59 566025.48 483498.05
12234.00	1.00	21.30	12174.68	517.95S	780.29E	5.00	936.92 566025.60 483498.36
12392.00	1.00	21.30	12332.66	515.38S	781.29E	0.00	935.91 566026.61 483500.92
12517.00	1.00	21.30	12457.64	513.35S	783.09E	0.00	936.43 566027.40 483502.96
12580.00	1.00	21.30	12520.63	512.32S	782.49E	0.00	935.19 566027.80 483503.98
12615.00	1.00	21.30	12566.61	511.75S	782.71E	0.00	935.05 566028.02 483504.55
12668.00	1.00	21.30	12605.62	510.94S	781.02E	0.00	934.86 566028.34 483505.36

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from plot #1 and TVD from rotary table.
Bottom hole distance is 934.98 on azimuth 123.13 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, slot #1
Pierce Crossing (Beco Springs), Eddy County New Mex

SURVEY LISTING Page 5
Your ref : TOTCO
Last revised : 18-Jul-2005

Targets associated with this wellpath

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
TD		12550.00	510.00S 755.00E	13-Jan-2005
TCT 1		9500.00	510.00S 755.00E	13-Jan-2005
		9500.00	510.00S 755.00E	13-Jan-2005

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CHESAPEAKE OPERATING, INC.
Carrasco 6 #2

slot #1
Pierce Crossing (Bone Springs)
Eddy County New Mexico

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : mwd
Our ref : svy2734
License :

Date printed : 8-Jul-2005
Date created : 21-Jan-2005
Last revised : 8-Jul-2005

Field is centred on n32 25 0.000,w104 12 0
Structure is centred on n32 19 49.800,w104 7 19.56

Slot location is n32 19 49.800,w104 7 19.560
Slot Grid coordinates are N 484016.304, E 565245.312
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, slot #1
Pierce Crossing (Bone Springs), Eddy County New Mex

SURVEY LISTING Page 1
Your ref : mwd
Last revised : 8-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D C O O R D S Easting Northing	
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	565245.31	484016.30
100.00	0.47	211.20	100.00	0.35S	0.21W	0.47	0.02	565245.10	484015.95
200.00	0.48	201.50	200.00	1.09S	0.58W	0.08	0.13	565244.73	484015.21
299.99	1.05	156.43	299.98	2.32S	0.37W	0.79	1.00	565244.95	484013.98
399.96	1.46	176.74	399.92	4.43S	0.07E	0.60	2.54	565245.38	484011.87
499.94	1.10	163.14	499.88	6.62S	0.42E	0.47	4.06	565245.74	484009.68
599.91	1.33	174.37	599.83	8.69S	0.82E	0.33	5.54	565246.13	484007.61
699.89	0.85	181.80	699.79	10.59S	0.91E	0.50	6.68	565246.22	484005.71
799.88	0.94	173.78	799.77	12.15S	0.97E	0.15	7.61	565246.28	484004.16
899.87	0.96	194.35	899.74	13.77S	0.85E	0.34	8.42	565246.16	484002.53
999.86	0.88	175.86	999.72	15.35S	0.70E	0.31	9.17	565246.01	484000.95
1099.84	1.20	183.18	1099.68	17.16S	0.70E	0.35	10.19	565246.01	483999.14
1199.82	1.25	170.76	1199.64	19.28S	0.82E	0.27	11.47	565246.13	483997.02
1299.79	1.30	182.82	1299.59	21.49S	0.93E	0.27	12.81	565246.25	483994.81
1399.77	1.11	182.10	1399.54	23.59S	0.84E	0.19	13.91	565246.16	483992.71
1499.75	1.17	161.05	1499.50	25.53S	1.14E	0.42	15.23	565246.45	483990.78
1599.72	1.67	143.12	1599.44	27.66S	2.35E	0.66	17.42	565247.66	483988.65
1699.67	1.95	122.12	1699.34	29.73S	4.66E	0.72	20.50	565249.97	483986.58
1799.61	1.98	120.78	1799.23	31.51S	7.58E	0.05	23.92	565252.89	483984.79
1899.54	2.35	125.41	1899.08	33.58S	10.74E	0.41	27.70	565256.05	483982.72
1999.46	2.08	115.89	1998.93	35.56S	14.04E	0.46	31.54	565259.35	483980.74
2099.38	2.75	114.13	2098.76	37.34S	17.86E	0.67	35.70	565263.17	483978.97
2199.27	2.57	116.75	2198.54	39.32S	22.04E	0.22	40.28	565267.35	483976.98
2299.17	2.54	115.28	2298.34	41.28S	26.04E	0.07	44.69	565271.36	483975.03
2399.07	2.51	110.04	2398.15	42.97S	30.10E	0.23	49.00	565275.41	483973.33
2498.98	2.38	104.00	2497.97	44.22S	34.17E	0.29	53.07	565279.48	483972.08
2598.89	2.38	107.07	2597.79	45.33S	38.16E	0.13	57.00	565283.48	483970.97
2698.81	2.38	106.43	2697.62	46.53S	42.14E	0.03	60.96	565287.45	483969.77
2798.72	2.43	97.48	2797.45	47.39S	46.23E	0.38	64.84	565291.54	483968.91
2898.62	2.58	99.35	2897.25	48.03S	50.55E	0.17	68.77	565295.86	483968.27
2998.52	2.56	99.20	2997.05	48.75S	54.97E	0.02	72.84	565300.28	483967.55
3098.43	2.55	102.57	3096.86	49.60S	59.34E	0.15	76.93	565304.65	483966.71
3158.00	2.35	89.10	3156.38	49.86S	61.85E	1.02	79.17	565307.17	483966.44
3211.00	2.70	100.20	3209.33	50.07S	64.17E	1.13	81.20	565309.48	483966.24
3242.00	3.10	107.60	3240.29	50.45S	65.69E	1.76	82.67	565311.00	483965.85
3273.00	3.60	112.50	3271.23	51.08S	67.38E	1.86	84.43	565312.70	483965.23
3304.00	3.90	117.80	3302.17	51.94S	69.22E	1.48	86.43	565314.53	483964.36
3336.00	4.60	119.90	3334.08	53.09S	71.29E	2.24	88.79	565316.60	483963.22
3367.00	5.20	120.90	3364.97	54.43S	73.57E	1.95	91.44	565318.89	483961.87
3399.00	6.00	119.90	3396.81	56.01S	76.27E	2.52	94.55	565321.58	483960.30
3430.00	6.80	119.50	3427.62	57.72S	79.27E	2.58	98.00	565324.58	483958.58
3461.00	7.40	120.60	3458.38	59.64S	82.59E	1.98	101.82	565327.90	483956.66
3492.00	7.60	120.90	3489.12	61.71S	86.06E	0.66	105.86	565331.38	483954.60
3523.00	7.60	119.90	3519.84	63.78S	89.60E	0.43	109.95	565334.91	483952.52
3554.00	7.60	120.60	3550.57	65.85S	93.14E	0.30	114.04	565338.45	483950.46
3617.00	7.60	122.00	3613.02	70.18S	100.26E	0.29	122.36	565345.57	483946.13
3679.00	7.90	125.50	3674.45	74.82S	107.21E	0.90	130.72	565352.52	483941.48
3742.00	8.00	127.20	3736.85	79.99S	114.22E	0.41	139.43	565359.53	483936.32
3804.00	8.30	123.00	3798.22	85.03S	121.41E	1.08	148.21	565366.72	483931.27
3866.00	8.30	120.20	3859.57	89.72S	129.03E	0.65	157.15	565374.34	483926.58

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 924.75 on azimuth 124.32 degrees from wellhead.
Vertical section is from N.0.00...E.0.00 on azimuth 124.04 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, slot #1
Pierce Crossing (Bone Springs), Eddy County New Mex

SURVEY LISTING Page 2
Your ref : mwd
Last revised : 8-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
3928.00	8.30	119.50	3920.92	94.18S	136.80E	0.16	166.07	565382.11	483922.13
3991.00	8.30	120.90	3983.26	98.75S	144.66E	0.32	175.15	565389.97	483917.55
4053.00	8.40	121.30	4044.60	103.40S	152.36E	0.19	184.14	565397.68	483912.90
4114.00	8.40	120.60	4104.95	107.99S	160.01E	0.17	193.04	565405.32	483908.32
4176.00	8.30	124.40	4166.29	112.82S	167.60E	0.90	202.03	565412.91	483903.48
4239.00	8.40	125.10	4228.63	118.03S	175.11E	0.23	211.18	565420.43	483898.27
4331.00	8.30	123.40	4319.65	125.55S	186.16E	0.29	224.54	565431.47	483890.75
4426.00	7.90	125.10	4413.70	133.08S	197.22E	0.49	237.92	565442.53	483883.22
4519.00	7.70	124.80	4505.84	140.31S	207.57E	0.22	250.54	565452.88	483875.99
4613.00	7.70	125.10	4598.99	147.53S	217.89E	0.04	263.14	565463.20	483868.78
4706.00	7.40	125.50	4691.19	154.59S	227.86E	0.33	275.35	565473.17	483861.72
4799.00	7.90	123.70	4783.36	161.61S	238.06E	0.60	287.73	565483.37	483854.69
4892.00	8.00	123.40	4875.47	168.72S	248.78E	0.12	300.59	565494.09	483847.58
4985.00	7.70	127.40	4967.60	176.07S	259.13E	0.67	313.28	565504.44	483840.24
5079.00	7.80	123.00	5060.74	183.37S	269.48E	0.64	325.95	565514.79	483832.94
5173.00	7.90	123.70	5153.86	190.42S	280.20E	0.15	338.78	565525.52	483825.88
5266.00	8.10	124.10	5245.95	197.64S	290.95E	0.22	351.73	565536.26	483818.66
5359.00	8.00	123.40	5338.04	204.88S	301.78E	0.15	364.75	565547.09	483811.42
5453.00	8.00	123.00	5431.12	212.04S	312.72E	0.06	377.83	565558.03	483804.26
5549.00	8.00	121.90	5526.19	219.21S	324.00E	0.16	391.19	565569.31	483797.09
5643.00	8.00	121.60	5619.27	226.10S	335.12E	0.04	404.26	565580.43	483790.21
5736.00	8.20	123.00	5711.34	233.10S	346.19E	0.30	417.35	565591.51	483783.21
5830.00	8.30	122.00	5804.37	240.34S	357.57E	0.19	430.84	565602.88	483775.96
5923.00	8.20	124.10	5896.41	247.62S	368.75E	0.34	444.18	565614.07	483768.68
6018.00	8.00	123.40	5990.46	255.06S	379.88E	0.23	457.56	565625.20	483761.25
6114.00	7.60	120.60	6085.57	261.97S	390.93E	0.57	470.58	565636.24	483754.34
6208.00	7.10	123.70	6178.80	268.35S	401.11E	0.68	482.59	565646.42	483747.95
6272.00	7.20	124.10	6242.30	272.80S	407.72E	0.17	490.56	565653.03	483743.51
6335.00	7.70	126.20	6304.77	277.50S	414.40E	0.90	498.73	565659.71	483738.80
6399.00	7.70	124.80	6368.19	282.48S	421.38E	0.29	507.30	565666.69	483733.82
6463.00	8.00	126.50	6431.59	287.58S	428.48E	0.59	516.03	565673.79	483728.72
6526.00	8.70	125.80	6493.93	292.97S	435.87E	1.12	525.18	565681.18	483723.33
6590.00	9.50	124.80	6557.12	298.82S	444.13E	1.27	535.30	565689.44	483717.48
6653.00	9.30	124.40	6619.27	304.66S	452.60E	0.33	545.59	565697.91	483711.64
6716.00	8.90	123.00	6681.48	310.19S	460.89E	0.73	555.55	565706.20	483706.11
6764.00	8.50	124.00	6728.93	314.20S	466.94E	0.89	562.81	565712.25	483702.11
6781.00	7.80	126.20	6745.76	315.58S	468.91E	4.51	565.22	565714.22	483700.72
6844.00	7.50	125.10	6808.20	320.47S	475.73E	0.53	573.60	565721.04	483695.83
6907.00	7.60	127.90	6870.65	325.39S	482.38E	0.61	581.87	565727.69	483690.91
6971.00	7.70	130.80	6934.08	330.80S	488.96E	0.62	590.35	565734.27	483685.51
7033.00	7.80	130.80	6995.52	336.26S	495.29E	0.16	598.65	565740.60	483680.04
7095.00	8.20	129.70	7056.91	341.83S	501.88E	0.69	607.23	565747.19	483674.47
7159.00	8.30	129.00	7120.25	347.66S	508.98E	0.22	616.37	565754.29	483668.65
7222.00	8.30	129.00	7182.59	353.38S	516.05E	0.00	625.43	565761.36	483662.93
7285.00	8.40	129.70	7244.92	359.18S	523.12E	0.23	634.54	565768.43	483657.12
7349.00	8.00	125.50	7308.27	364.75S	530.34E	1.13	643.65	565775.66	483651.55
7413.00	7.80	123.40	7371.66	369.73S	537.60E	0.55	652.44	565782.91	483646.57
7476.00	7.90	123.40	7434.07	374.47S	544.78E	0.16	661.05	565790.09	483641.84
7562.00	7.90	123.00	7519.25	380.94S	554.67E	0.06	672.86	565799.98	483635.37
7609.00	7.50	121.60	7565.83	384.30S	559.99E	0.94	679.16	565805.30	483632.00

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 924.75 on azimuth 124.32 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, slot #1
Pierce Crossing (Bone Springs), Eddy County New Mex

SURVEY LISTING Page 3
Your ref : mwd
Last revised : 8-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
7666.00	7.70	118.80	7622.33	388.09S	566.51E	0.74	686.68	565811.82	483628.21
7729.00	7.80	119.90	7684.75	392.26S	573.91E	0.28	695.14	565819.22	483624.05
7776.00	7.70	120.10	7731.32	395.43S	579.40E	0.22	701.47	565824.71	483620.88
7828.00	7.70	120.00	7782.86	398.92S	585.43E	0.03	708.42	565830.74	483617.39
7839.00	7.50	121.60	7793.76	399.66S	586.68E	2.65	709.87	565831.99	483616.64
7903.00	7.60	124.40	7857.20	404.24S	593.73E	0.60	718.27	565839.04	483612.06
7965.00	8.00	124.10	7918.63	408.97S	600.69E	0.65	726.69	565846.00	483607.33
8029.00	7.80	124.80	7982.02	413.95S	607.94E	0.35	735.48	565853.25	483602.35
8092.00	7.20	127.20	8044.48	418.78S	614.59E	1.07	743.70	565859.91	483597.53
8156.00	6.90	128.60	8108.00	423.60S	620.79E	0.54	751.54	565866.11	483592.70
8220.00	7.10	127.20	8171.52	428.39S	626.95E	0.41	759.32	565872.26	483587.91
8283.00	7.80	120.20	8233.99	432.89S	633.75E	1.82	767.47	565879.06	483583.41
8346.00	8.30	116.30	8296.37	437.06S	641.52E	1.17	776.24	565886.83	483579.24
8410.00	8.40	118.10	8359.69	441.31S	649.78E	0.44	785.47	565895.09	483575.00
8470.00	8.80	120.20	8419.02	445.68S	657.61E	0.85	794.41	565902.93	483570.62
8533.00	8.70	123.40	8481.29	450.73S	665.76E	0.79	803.98	565911.07	483565.58
8595.00	8.10	124.10	8542.62	455.76S	673.29E	0.98	813.04	565918.60	483560.55
8659.00	8.20	124.10	8605.97	460.84S	680.80E	0.16	822.11	565926.11	483555.46
8723.00	7.90	126.50	8669.34	466.02S	688.12E	0.70	831.07	565933.43	483550.28
8786.00	8.00	125.80	8731.74	471.16S	695.15E	0.22	839.78	565940.46	483545.14
8855.00	8.50	124.70	8800.02	476.87S	703.24E	0.76	849.68	565948.55	483539.43
8918.00	8.80	125.80	8862.31	482.34S	710.98E	0.54	859.15	565956.29	483533.96
9004.00	8.40	125.00	8947.34	489.79S	721.46E	0.49	872.00	565966.77	483526.51
9045.00	7.80	120.60	8987.93	492.93S	726.30E	2.10	877.78	565971.62	483523.38
9107.00	7.10	119.86	9049.41	496.98S	733.25E	1.14	885.80	565978.56	483519.33
9163.00	6.30	120.00	9105.03	500.23S	738.91E	1.43	892.31	565984.22	483516.07
9225.00	5.40	121.10	9166.70	503.44S	744.36E	1.46	898.62	565989.67	483512.86
9286.00	4.60	126.00	9227.47	506.36S	748.79E	1.49	903.93	565994.10	483509.94
9348.00	3.80	127.00	9289.30	509.06S	752.44E	1.30	908.47	565997.76	483507.24
9410.00	2.50	125.00	9351.21	511.07S	755.19E	2.10	911.87	566000.50	483505.23
9471.00	1.90	131.00	9412.16	512.50S	757.05E	1.05	914.21	566002.36	483503.80
9532.00	0.50	94.00	9473.15	513.18S	758.08E	2.51	915.44	566003.39	483503.12
9647.00	0.40	105.80	9588.14	513.33S	758.96E	0.12	916.26	566004.27	483502.98
9742.00	1.80	220.10	9683.13	514.56S	758.32E	2.10	916.41	566003.63	483501.75
9805.00	2.20	221.10	9746.09	516.23S	756.89E	0.64	916.16	566002.20	483500.08
9868.00	1.60	210.90	9809.06	517.89S	755.64E	1.09	916.06	566000.95	483498.41
9932.00	1.70	193.70	9873.03	519.58S	754.96E	0.79	916.44	566000.27	483496.72
9995.00	1.40	207.00	9936.01	521.17S	754.39E	0.74	916.86	565999.70	483495.13
10060.00	0.90	141.30	10001.00	522.28S	754.35E	2.03	917.44	565999.66	483494.02
10124.00	1.40	105.10	10064.98	522.88S	755.41E	1.34	918.66	566000.73	483493.43
10187.00	1.30	97.40	10127.97	523.17S	756.87E	0.33	920.03	566002.18	483493.14
10314.00	1.00	123.70	10254.94	523.97S	759.22E	0.47	922.43	566004.53	483492.33
10377.00	1.00	123.70	10317.93	524.58S	760.13E	0.00	923.52	566005.44	483491.72
10440.00	0.50	157.10	10380.93	525.14S	760.70E	1.02	924.31	566006.01	483491.17
10503.00	0.50	121.60	10443.92	525.53S	761.04E	0.48	924.81	566006.35	483490.77
10566.00	0.80	133.60	10506.92	525.98S	761.59E	0.52	925.52	566006.90	483490.32
10629.00	0.40	27.70	10569.92	526.09S	762.01E	1.57	925.93	566007.32	483490.21
10692.00	0.50	358.90	10632.92	525.62S	762.11E	0.39	925.75	566007.42	483490.68
10753.00	0.40	14.00	10693.91	525.15S	762.15E	0.25	925.52	566007.47	483491.16
10817.00	0.40	19.00	10757.91	524.72S	762.28E	0.05	925.38	566007.59	483491.58

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 924.75-on azimuth 124.32 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

CHESAPEAKE OPERATING, INC.
Carrasco 6 #2, slot #1
Pierce Crossing (Bone Springs), Eddy County New Mex

SURVEY LISTING Page 4
Your ref : mwd
Last revised : 8-Jul-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D C O O R D S Easting Northing	
10880.00	0.40	29.50	10820.91	524.32S	762.46E	0.12	925.31	566007.77	483491.98
10944.00	0.50	334.70	10884.91	523.87S	762.45E	0.66	925.05	566007.76	483492.43
11007.00	0.50	356.80	10947.91	523.35S	762.32E	0.30	924.65	566007.63	483492.95
11070.00	0.30	352.90	11010.91	522.91S	762.28E	0.32	924.37	566007.59	483493.39
11135.00	0.30	21.40	11075.90	522.59S	762.32E	0.23	924.23	566007.64	483493.72
11198.00	0.40	35.40	11138.90	522.25S	762.51E	0.21	924.19	566007.82	483494.05
11261.00	0.40	57.30	11201.90	521.95S	762.82E	0.24	924.29	566008.14	483494.35
11321.00	0.40	45.00	11261.90	521.69S	763.15E	0.14	924.41	566008.46	483494.61
11385.00	0.30	70.30	11325.90	521.48S	763.46E	0.28	924.55	566008.78	483494.82
11447.00	0.30	70.00	11387.90	521.37S	763.77E	0.00	924.74	566009.08	483494.93

BHL- 7195 / 698E

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 924.75 on azimuth 124.32 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 124.04 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ



CHESAPEAKE OPERATING, INC.

Structure : Carrasco 6 #2

Slot : slot #1

Field : Pierce Crossing (Bone Springs) Location : Eddy County New Mexico

Created by adrynm
Date plotted : 8-Jul-2005
Plot Reference is PLAN 2.
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.

--- Baker Hughes INTEQ ---

INTEQ

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	3156.07	2.35	89.57	3154.45	-49.87	61.77	79.10	0.00
KOP	3200.00	2.35	89.10	3198.34	-49.84	63.58	80.58	0.04
End of Build/Turn	3510.31	7.99	123.90	3507.31	-61.78	87.86	107.39	2.00
End of Hold	9025.58	7.99	123.90	8969.04	-489.34	724.22	874.03	0.00
Target	9558.26	0.00	0.00	9500.00	-510.02	755.00	911.12	1.50
T.D. & Target	12608.26	0.00	270.00	12550.00	-510.02	755.00	911.12	0.00

