

SUR: B-33-19s-33e, 495/N & 1600/E
BHL: B-33-19s-33e, 757/N & 1653/E
API # 30-025-37085

CONCHO OIL AND GAS
Jade Viper "33" Federal Com 1Y
30-025-37085

slot #1
UNKNOWN
LEA 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 : svy2753
License :

Date printed : 17-Aug-2005
Date created : 28-Feb-2005
Last revised : 21-Mar-2005

Field is centred on n32 55 0.000,w103 15 0
Structure is centred on 705983.211,590822.927,999.00000,N

Slot location is n32 37 20.977,w103 39 51.505
Slot Grid coordinates are N 590822.927, E 705983.211
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



CONCHO OIL AND GAS
Jade Viper "33" Federal Com, slot #1
UNKNOWN, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 1
Your ref : MWD
Last revised : 21-Mar-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
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	705983.21	590822.93
100.00	0.40	95.10	100.00	0.03S	0.35E	0.40	705983.56	590822.90
200.00	0.56	99.95	200.00	0.15S	1.18E	0.16	705984.39	590822.78
300.00	0.99	92.06	299.99	0.26S	2.52E	0.44	705985.73	590822.67
400.00	1.17	95.66	399.97	0.39S	4.40E	0.19	705987.61	590822.53
500.00	1.08	99.68	499.95	0.65S	6.35E	0.12	705989.56	590822.27
600.00	1.17	99.95	599.93	0.99S	8.28E	0.09	705991.49	590821.94
700.00	0.96	105.70	699.91	1.39S	10.09E	0.24	705993.30	590821.54
800.00	0.84	109.70	799.90	1.86S	11.59E	0.14	705994.80	590821.06
900.00	0.78	112.29	899.89	2.37S	12.91E	0.07	705996.12	590820.56
1000.00	0.77	108.74	999.88	2.84S	14.17E	0.05	705997.39	590820.08
1100.00	0.78	100.33	1099.87	3.18S	15.48E	0.11	705998.69	590819.75
1200.00	0.78	96.62	1199.86	3.38S	16.83E	0.05	706000.04	590819.54
1300.00	0.72	79.82	1299.85	3.35S	18.12E	0.23	706001.33	590819.58
1400.00	1.27	68.26	1399.84	2.83S	19.77E	0.58	706002.98	590820.10
1500.00	1.49	67.98	1499.81	1.93S	22.00E	0.22	706005.21	590821.00
1600.00	1.54	68.14	1599.77	0.94S	24.46E	0.05	706007.67	590821.98
1700.00	1.32	70.29	1699.74	0.05S	26.79E	0.23	706010.00	590822.87
1800.00	1.16	76.01	1799.72	0.58N	28.85E	0.20	706012.06	590823.51
1900.00	0.95	69.71	1899.70	1.11N	30.61E	0.24	706013.82	590824.04
2000.00	0.85	62.98	1999.69	1.74N	32.05E	0.15	706015.26	590824.66
2100.00	0.75	61.98	2099.68	2.38N	33.29E	0.10	706016.50	590825.31
2200.00	0.78	58.64	2199.67	3.04N	34.45E	0.05	706017.66	590825.97
2300.00	1.13	52.96	2299.66	3.99N	35.82E	0.36	706019.03	590826.92
2400.00	1.77	51.75	2399.63	5.54N	37.82E	0.64	706021.03	590828.47
2500.00	2.01	53.34	2499.57	7.54N	40.44E	0.25	706023.65	590830.47
2600.00	2.20	52.07	2599.50	9.77N	43.36E	0.20	706026.57	590832.70
2700.00	2.04	55.50	2699.44	11.96N	46.34E	0.20	706029.55	590834.89
2800.00	2.19	58.78	2799.37	13.96N	49.44E	0.19	706032.65	590836.88
2900.00	2.12	54.87	2899.30	16.01N	52.59E	0.16	706035.80	590838.94
3000.00	1.73	50.31	2999.24	18.04N	55.26E	0.42	706038.47	590840.97
3100.00	1.48	46.90	3099.20	19.89N	57.37E	0.27	706040.58	590842.81
3200.00	1.56	48.71	3199.17	21.67N	59.33E	0.09	706042.54	590844.59
3300.00	0.95	42.42	3299.14	23.18N	60.91E	0.62	706044.12	590846.10
3400.00	0.90	32.48	3399.13	24.45N	61.89E	0.17	706045.10	590847.38
3500.00	1.04	8.49	3499.11	26.01N	62.45E	0.43	706045.66	590848.94
3600.00	1.06	8.02	3599.10	27.83N	62.71E	0.02	706045.92	590850.75
3700.00	1.07	7.49	3699.08	29.67N	62.96E	0.01	706046.17	590852.59
3800.00	1.06	12.17	3799.06	31.50N	63.28E	0.09	706046.49	590854.42
3900.00	1.00	19.85	3899.05	33.22N	63.77E	0.15	706046.98	590856.15
4000.00	0.72	64.88	3999.04	34.31N	64.64E	0.71	706047.85	590857.24
4100.00	0.69	59.77	4099.03	34.88N	65.73E	0.07	706048.94	590857.81
4200.00	0.89	52.20	4199.02	35.66N	66.86E	0.23	706050.07	590858.59
4300.00	1.16	54.63	4299.00	36.72N	68.30E	0.27	706051.51	590859.65
4400.00	1.13	53.73	4398.98	37.89N	69.92E	0.03	706053.13	590860.82
4500.00	1.46	37.26	4498.96	39.49N	71.49E	0.49	706054.70	590862.41
4600.00	1.61	37.04	4598.92	41.62N	73.10E	0.15	706056.31	590864.55
4700.00	1.96	33.74	4698.87	44.17N	74.90E	0.36	706058.11	590867.09
4800.00	1.82	29.24	4798.82	46.97N	76.62E	0.20	706059.84	590869.90
4900.00	1.87	27.88	4898.77	49.80N	78.16E	0.07	706061.37	590872.73

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 259.73 on azimuth 190.40 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 190.68 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CONCHO OIL AND GAS
Jade Viper "33" Federal Com, slot #1
UNKNOWN, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 21-Mar-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
5000.00	1.57	34.35	4998.72	52.37N	79.70E	0.36	-66.24	706062.91	590875.30
5100.00	1.49	37.38	5098.69	54.54N	81.26E	0.11	-68.65	706064.47	590877.47
5200.00	1.17	48.13	5198.66	56.25N	82.81E	0.40	-70.63	706066.02	590879.18
5300.00	0.88	72.68	5298.64	57.16N	84.30E	0.52	-71.80	706067.52	590880.09
5400.00	0.98	68.50	5398.63	57.71N	85.83E	0.12	-72.61	706069.04	590880.63
5500.00	0.78	56.12	5498.62	58.40N	87.19E	0.27	-73.55	706070.40	590881.32
5600.00	0.69	23.01	5598.61	59.33N	87.99E	0.43	-74.61	706071.21	590882.26
5700.00	0.60	4.32	5698.60	60.41N	88.27E	0.23	-75.72	706071.48	590883.33
5800.00	0.64	348.78	5798.60	61.48N	88.20E	0.17	-76.76	706071.41	590884.40
5900.00	0.53	336.17	5898.59	62.45N	87.90E	0.17	-77.66	706071.12	590885.38
6000.00	0.82	329.44	5998.59	63.49N	87.35E	0.30	-78.58	706070.56	590886.41
6100.00	1.16	319.44	6098.57	64.87N	86.33E	0.38	-79.75	706069.54	590887.80
6200.00	1.15	316.17	6198.55	66.37N	84.98E	0.07	-80.96	706068.19	590889.29
6300.00	1.19	319.52	6298.53	67.88N	83.61E	0.08	-82.20	706066.82	590890.81
6400.00	0.86	316.26	6398.51	69.21N	82.42E	0.33	-83.29	706065.63	590892.14
6500.00	0.69	312.22	6498.51	70.16N	81.45E	0.18	-84.04	706064.66	590893.09
6600.00	0.77	307.09	6598.50	70.97N	80.47E	0.10	-84.65	706063.68	590893.90
6700.00	0.69	308.31	6698.49	71.75N	79.46E	0.08	-85.23	706062.67	590894.67
6800.00	0.43	323.95	6798.48	72.42N	78.77E	0.30	-85.77	706061.98	590895.35
6900.00	0.55	328.92	6898.48	73.14N	78.30E	0.13	-86.38	706061.51	590896.07
7000.00	0.53	322.37	6998.48	73.92N	77.77E	0.06	-87.05	706060.98	590896.84
7100.00	0.59	313.99	7098.47	74.64N	77.12E	0.10	-87.64	706060.33	590897.57
7200.00	0.56	322.45	7198.47	75.38N	76.45E	0.09	-88.25	706059.66	590898.31
7300.00	0.51	315.95	7298.46	76.09N	75.84E	0.08	-88.83	706059.05	590899.02
7400.00	0.51	323.26	7398.46	76.77N	75.27E	0.07	-89.39	706058.48	590899.70
7500.00	0.47	320.99	7498.45	77.44N	74.74E	0.04	-89.95	706057.95	590900.37
7600.00	0.37	320.00	7598.45	78.01N	74.28E	0.10	-90.42	706057.49	590900.94
7700.00	0.23	276.89	7698.45	78.28N	73.87E	0.26	-90.61	706057.08	590901.21
7800.00	0.24	240.28	7798.45	78.20N	73.49E	0.15	-90.47	706056.70	590901.13
7900.00	0.53	270.76	7898.45	78.10N	72.84E	0.35	-90.25	706056.05	590901.03
8000.00	0.57	263.76	7998.44	78.06N	71.89E	0.08	-90.03	706055.10	590900.98
8100.00	0.73	267.60	8098.44	77.97N	70.75E	0.17	-89.74	706053.97	590900.90
8200.00	0.77	273.28	8198.43	77.99N	69.45E	0.08	-89.51	706052.66	590900.91
8300.00	0.70	261.96	8298.42	77.94N	68.17E	0.16	-89.22	706051.38	590900.87
8400.00	0.67	241.58	8398.41	77.58N	67.05E	0.24	-88.66	706050.26	590900.50
8500.00	0.60	218.90	8498.41	76.89N	66.21E	0.26	-87.83	706049.42	590899.82
8600.00	0.91	255.49	8598.40	76.28N	65.11E	0.56	-87.03	706048.32	590899.21
8700.00	0.91	216.80	8698.39	75.45N	63.87E	0.60	-85.98	706047.08	590898.38
8800.00	1.28	225.37	8798.37	74.03N	62.60E	0.40	-84.35	706045.81	590896.96
8900.00	0.39	183.26	8898.36	72.90N	61.78E	1.02	-83.09	706044.99	590895.83
8950.00	0.75	177.11	8948.35	72.41N	61.79E	0.73	-82.60	706045.00	590895.33
9029.00	1.20	210.00	9027.34	71.17N	61.40E	0.89	-81.32	706044.61	590894.10
9061.00	1.60	204.70	9059.33	70.48N	61.05E	1.31	-80.57	706044.26	590893.41
9093.00	2.20	200.50	9091.32	69.50N	60.65E	1.92	-79.53	706043.86	590892.42
9124.00	2.60	197.70	9122.29	68.27N	60.22E	1.34	-78.25	706043.44	590891.20
9156.00	3.50	193.80	9154.24	66.63N	59.77E	2.88	-76.55	706042.98	590889.56
9188.00	4.10	192.80	9186.17	64.57N	59.28E	1.89	-74.43	706042.50	590887.49
9220.00	4.50	195.20	9218.08	62.24N	58.70E	1.37	-72.04	706041.91	590885.17
9250.00	4.80	192.40	9247.98	59.88N	58.12E	1.25	-69.61	706041.33	590882.80
9282.00	5.50	193.50	9279.86	57.08N	57.48E	2.21	-66.74	706040.69	590880.01

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 259.73 on azimuth 190.40 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 190.68 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

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Jade Viper "33" Federal Com,slot #1
UNKNOWN,LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 21-Mar-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
9314.00	6.20	193.80	9311.69	53.91N	56.71E	2.19	-63.48	706039.92 590876.84
9346.00	6.50	194.20	9343.49	50.48N	55.85E	0.95	-59.95	706039.06 590873.40
9410.00	6.40	199.80	9407.09	43.61N	53.75E	0.99	-52.81	706036.97 590866.53
9473.00	6.90	196.70	9469.66	36.68N	51.48E	0.98	-45.58	706034.69 590859.61
9537.00	6.50	195.60	9533.23	29.51N	49.40E	0.66	-38.15	706032.61 590852.43
9601.00	6.90	199.10	9596.79	22.39N	47.17E	0.89	-30.74	706030.38 590845.31
9663.00	6.90	202.60	9658.34	15.43N	44.52E	0.68	-23.41	706027.73 590838.35
9724.00	6.70	202.60	9718.91	8.76N	41.74E	0.33	-16.34	706024.95 590831.69
9788.00	6.70	204.70	9782.47	1.92N	38.75E	0.38	-9.07	706021.96 590824.85
9852.00	6.80	198.70	9846.03	5.06S	35.97E	1.11	-1.69	706019.18 590817.87
9915.00	6.40	200.10	9908.61	11.89S	33.57E	0.68	5.46	706016.78 590811.04
9946.00	6.70	195.60	9939.41	15.25S	32.49E	1.92	8.97	706015.70 590807.67
9979.00	7.10	194.90	9972.17	19.08S	31.45E	1.24	12.92	706014.66 590803.85
10042.00	7.20	198.00	10034.68	26.60S	29.23E	0.63	20.72	706012.44 590796.33
10106.00	7.30	196.60	10098.17	34.31S	26.82E	0.32	28.74	706010.04 590788.62
10169.00	7.20	198.70	10160.67	41.88S	24.42E	0.45	36.63	706007.63 590781.04
10233.00	6.70	200.90	10224.20	49.17S	21.80E	0.88	44.28	706005.01 590773.76
10297.00	6.70	199.80	10287.76	56.17S	19.20E	0.20	51.64	706002.41 590766.76
10361.00	6.90	200.10	10351.31	63.29S	16.61E	0.32	59.12	705999.83 590759.63
10425.00	6.90	201.90	10414.85	70.47S	13.86E	0.34	66.68	705997.07 590752.46
10489.00	6.60	203.70	10478.40	77.41S	10.95E	0.57	74.04	705994.16 590745.52
10553.00	6.90	199.10	10541.96	84.41S	8.21E	0.97	81.42	705991.42 590738.52
10616.00	6.60	199.80	10604.52	91.39S	5.75E	0.49	88.74	705988.96 590731.54
10683.00	6.70	200.90	10671.07	98.66S	3.05E	0.24	96.39	705986.26 590724.26
10747.00	7.30	201.90	10734.60	105.92S	0.20E	0.96	104.05	705983.41 590717.00
10811.00	7.40	195.60	10798.07	113.67S	2.43W	1.27	112.15	705980.79 590709.26
10843.00	7.20	195.20	10829.81	117.59S	3.51W	0.64	116.20	705979.71 590705.34
10907.00	6.40	196.30	10893.36	124.88S	5.56W	1.27	123.75	705977.65 590698.05
10970.00	6.30	201.20	10955.97	131.47S	7.79W	0.87	130.64	705975.42 590691.45
11002.00	6.30	198.40	10987.78	134.78S	8.98W	0.96	134.11	705974.23 590688.15
11034.00	6.70	198.70	11019.58	138.21S	10.14W	1.25	137.69	705973.08 590684.72
11098.00	7.50	192.40	11083.08	145.83S	12.23W	1.74	145.57	705970.98 590677.10
11162.00	7.80	190.70	11146.52	154.17S	13.93W	0.59	154.08	705969.28 590668.75
11226.00	7.60	193.10	11209.94	162.56S	15.70W	0.59	162.66	705967.51 590660.37
11288.00	7.20	194.90	11271.42	170.31S	17.63W	0.75	170.63	705965.58 590652.62
11352.00	6.80	197.00	11334.94	177.81S	19.77W	0.74	178.39	705963.45 590645.12
11415.00	6.10	203.00	11397.55	184.46S	22.16W	1.54	185.37	705961.05 590638.47
11479.00	5.40	201.60	11461.22	190.39S	24.60W	1.12	191.65	705958.61 590632.54
11543.00	5.00	199.40	11524.96	195.82S	26.64W	0.70	197.36	705956.57 590627.11
11585.00	4.80	202.30	11566.81	199.17S	27.91W	0.76	200.89	705955.30 590623.76
11645.00	4.40	204.40	11626.61	203.59S	29.81W	0.72	205.59	705953.40 590619.34
11708.00	4.30	199.40	11689.43	208.02S	31.60W	0.62	210.27	705951.61 590614.91
11771.00	3.50	200.90	11752.29	212.04S	33.07W	1.28	214.50	705950.14 590610.89
11833.00	2.50	192.80	11814.20	215.13S	34.04W	1.75	217.71	705949.17 590607.80
11896.00	1.70	183.30	11877.16	217.40S	34.40W	1.38	220.01	705948.81 590605.53
11935.00	1.40	182.20	11916.14	218.45S	34.45W	0.77	221.06	705948.76 590604.47
11988.00	1.60	186.80	11969.13	219.84S	34.56W	0.44	222.43	705948.65 590603.09
12039.00	1.50	192.10	12020.11	221.20S	34.79W	0.34	223.81	705948.42 590601.73
12099.00	1.50	198.00	12080.09	222.71S	35.20W	0.26	225.38	705948.01 590600.22
12160.00	1.50	186.10	12141.07	224.26S	35.53W	0.51	226.96	705947.68 590598.66

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 259.73 on azimuth 190.40 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 190.68 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

CONCHO OIL AND GAS
Jade Viper "33" Federal Com,slot #1
UNKNOWN,LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 21-Mar-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	
12222.00	1.70	179.10	12203.04	225.99S	35.60W	0.45	228.67	705947.61	590596.94
12281.00	1.60	177.30	12262.02	227.69S	35.55W	0.19	230.33	705947.66	590595.24
12328.00	1.70	174.30	12309.00	229.04S	35.45W	0.28	231.64	705947.76	590593.89
12404.00	1.30	189.90	12384.97	231.01S	35.48W	0.75	233.58	705947.73	590591.92
12466.00	1.80	186.40	12446.95	232.67S	35.71W	0.82	235.26	705947.50	590590.26
12529.00	1.70	193.80	12509.92	234.56S	36.05W	0.39	237.18	705947.16	590588.37
12591.00	1.80	197.30	12571.89	236.38S	36.55W	0.24	239.06	705946.66	590586.54
12653.00	1.80	200.10	12633.86	238.23S	37.18W	0.14	240.99	705946.03	590584.70
12716.00	1.80	202.30	12696.83	240.07S	37.89W	0.11	242.94	705945.32	590582.86
12777.00	1.80	207.90	12757.80	241.80S	38.71W	0.29	244.79	705944.50	590581.12
12837.00	1.80	204.70	12817.77	243.49S	39.54W	0.17	246.60	705943.67	590579.43
12898.00	1.90	211.00	12878.74	245.23S	40.46W	0.37	248.48	705942.75	590577.70
12960.00	1.70	204.70	12940.71	246.95S	41.38W	0.45	250.34	705941.84	590575.98
13023.00	1.30	205.10	13003.69	248.44S	42.07W	0.64	251.94	705941.14	590574.48
13085.00	1.40	212.50	13065.67	249.72S	42.77W	0.32	253.32	705940.44	590573.21
13144.00	1.40	212.50	13124.65	250.93S	43.55W	0.00	254.66	705939.66	590571.99
13205.00	1.10	218.10	13185.64	252.02S	44.31W	0.53	255.87	705938.90	590570.90
13267.00	1.50	216.30	13247.62	253.15S	45.16W	0.65	257.13	705938.05	590569.78
13298.00	1.60	212.10	13278.61	253.84S	45.63W	0.49	257.90	705937.58	590569.09
13333.00	1.40	219.90	13313.60	254.58S	46.16W	0.82	258.73	705937.05	590568.35
13380.00	1.40	219.90	13360.58	255.46S	46.90W	0.00	259.73	705936.31	590567.46

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 259.73 on azimuth 190.40 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 190.68 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ



INTEQ

CONCHO OIL AND GAS

Structure : Jade Viper 33 Federal Com

Slot : slot #1

Field : UNKNOWN

Location : LEA COUNTY, NEW MEXICO

Created by cdyann
Date plotted : 24-Mar-2005
Plot Reference is PLAN 3.
Coordinates are in feet reference structure.
True Vertical Depths are reference structure.

--- Baker Hughes INTEQ ---

WELL PROFILE DATA

Point	MD	Inc	Dir	Tvd	North	East	V. Sect	Deg/100
Tie on	8950.00	0.75	177.11	8948.35	72.41	61.79	-82.60	0.00
KOP	9000.00	0.75	177.11	8998.35	71.75	61.82	-81.97	0.00
End of Build/Turn	9236.83	6.61	198.54	9234.59	57.26	57.56	-66.94	2.50
Target Wolfcamp Target	11416.74	6.61	198.54	11400.00	-180.74	-22.24	181.73	0.00
End of Drop/Turn	11902.15	1.76	198.10	11883.97	-214.34	-33.45	216.82	1.00
T.D. & Target TD Target	13639.00	1.76	198.10	13620.00	-265.00	-50.00	269.68	0.00

