

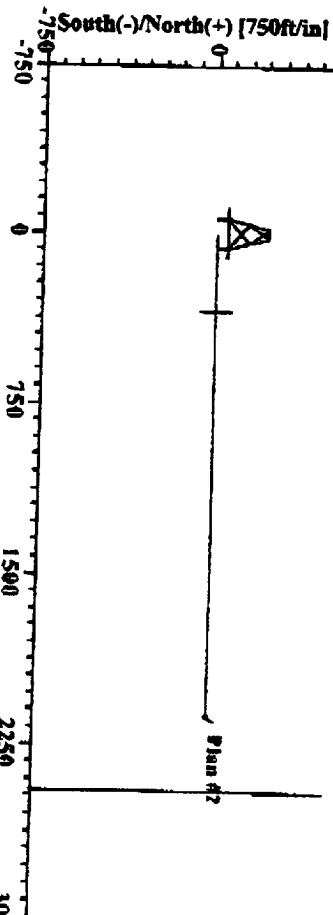


Southwestern Energy
Company

SOUTHWESTERN ENERGY PRODUCTION CO.
FALCON #1
SECTION 10
EDDY COUNTY, NEW MEXICO



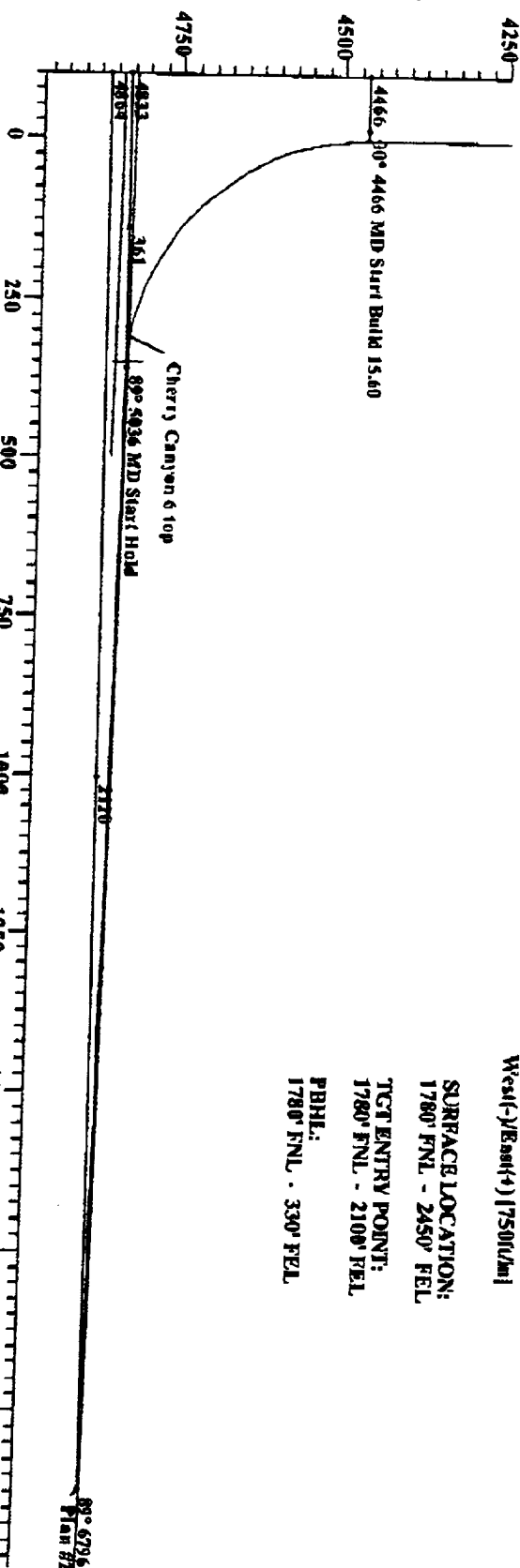
Weatherford
DALEY DIRECTIONAL SERVICES



West(-)/East(+) [750ft/in]

SURFACE LOCATION:
1780' FNL - 2450' FEL
TGT ENTRY POINT:
1780' FNL - 2100' FEL
PBHL:
1780' FNL - 330' FEL

True Vertical Depth [250ft/in]



SECTION DETAILS

Vertical Section at 90.00° [250ft/in]

Sec	MID	Inc	Adj	TVD	+N/-S	+E/-W	DLog	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4465.80	0.00	0.00	4465.80	0.00	0.00	0.00	0.00	0.00	
3	5036.31	89.00	90.00	4833.02	0.00	368.87	15.60	90.00	368.87	
4	6793.71	89.00	90.00	4863.73	0.00	2120.00	0.00	0.00	2120.00	

Created by: Jim Holby
Date: 01/07/03
File: Falcon#1a.pdf

Planning Report - Geographic

Company: Southwestern Energy Production
Field: Eddy County, New Mexico
Site: Falcon #1
Well: Falcon #1
Wellpath: 1

Date: 1/7/2003 Time: 11:54.05
Co-ordinate(NE) Reference: Site: Falcon #1, Grid North
Vertical (TVD) Reference: SITE 0 0
Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Plan: Plan #2

Page: 2

Section 1 : Start Hold

MD ft	Incl deg	Azim bearing	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4465.80	0.00	0.00	4465.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 15 60

MD ft	Incl deg	Azim bearing	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4475.00	1.44	90.00	4475.00	0.00	0.12	0.12	15.60	15.60	0.00	0.00
4500.00	5.34	90.00	4499.95	0.00	1.59	1.59	15.60	15.60	0.00	0.00
4525.00	9.24	90.00	4524.74	0.00	4.76	4.76	15.60	15.60	0.00	0.00
4550.00	13.14	90.00	4549.28	0.00	9.61	9.61	15.60	15.60	0.00	0.00
4575.00	17.04	90.00	4573.40	0.00	16.11	16.11	15.60	15.60	0.00	0.00
4600.00	20.94	90.00	4597.03	0.00	24.25	24.25	15.60	15.60	0.00	0.00
4625.00	24.84	90.00	4620.06	0.00	33.97	33.97	15.60	15.60	0.00	0.00
4650.00	28.74	90.00	4642.37	0.00	45.23	45.23	15.60	15.60	0.00	0.00
4675.00	32.64	90.00	4663.87	0.00	57.99	57.99	15.60	15.60	0.00	0.00
4700.00	36.54	90.00	4684.45	0.00	72.17	72.17	15.60	15.60	0.00	0.00
4725.00	40.44	90.00	4704.01	0.00	87.73	87.73	15.60	15.60	0.00	0.00
4750.00	44.34	90.00	4722.48	0.00	104.58	104.58	15.60	15.60	0.00	0.00
4775.00	48.24	90.00	4739.75	0.00	122.64	122.64	15.60	15.60	0.00	0.00
4800.00	52.14	90.00	4755.75	0.00	141.84	141.84	15.60	15.60	0.00	0.00
4825.00	56.04	90.00	4770.42	0.00	162.09	162.09	15.60	15.60	0.00	0.00
4850.00	59.94	90.00	4783.67	0.00	183.28	183.28	15.60	15.60	0.00	0.00
4875.00	63.84	90.00	4795.45	0.00	205.33	205.33	15.60	15.60	0.00	0.00
4900.00	67.74	90.00	4805.70	0.00	228.12	228.12	15.60	15.60	0.00	0.00
4925.00	71.64	90.00	4814.37	0.00	251.56	251.56	15.60	15.60	0.00	0.00
4950.00	75.54	9								

Planning Report - Geographic

Company: Southwestern Energy Production
Field: Eddy County, New Mexico
Site: Falcon #1
Well: Falcon #1
Wellpath: 1

Date: 1/7/2003 Time: 11:54:05
Co-ordinate(NE) Reference: Sta: Falcon #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,90.00Az)
Plan: Plan #2

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Section 3 : Start Hold

MD ft	Incl deg	Azim bearing	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Buid deg/100ft	Turn deg/100ft	TFO deg
5500.00	89.00	90.00	4841.12	0.00	824.49	824.49	0.00	0.00	0.00	0.00
5600.00	89.00	90.00	4842.86	0.00	924.47	924.47	0.00	0.00	0.00	0.00
5700.00	89.00	90.00	4844.61	0.00	1024.46	1024.46	0.00	0.00	0.00	0.00
5800.00	89.00	90.00	4846.35	0.00	1124.44	1124.44	0.00	0.00	0.00	0.00
5900.00	89.00	90.00	4848.10	0.00	1224.43	1224.43	0.00	0.00	0.00	0.00
6000.00	89.00	90.00	4849.84	0.00	1324.41	1324.41	0.00	0.00	0.00	0.00
6100.00	89.00	90.00	4851.59	0.00	1424.40	1424.40	0.00	0.00	0.00	0.00
6200.00	89.00	90.00	4853.33	0.00	1524.38	1524.38	0.00	0.00	0.00	0.00
6300.00	89.00	90.00	4855.08	0.00	1624.37	1624.37	0.00	0.00	0.00	0.00
6400.00	89.00	90.00	4856.82	0.00	1724.35	1724.35	0.00	0.00	0.00	0.00
6500.00	89.00	90.00	4858.57	0.00	1824.33	1824.33	0.00	0.00	0.00	0.00
6600.00	89.00	90.00	4860.31	0.00	1924.32	1924.32	0.00	0.00	0.00	0.00
6700.00	89.00	90.00	4862.06	0.00	2024.30	2024.30	0.00	0.00	0.00	0.00
6795.71	88.00	90.00	4863.73	0.00	2120.00	2120.00	0.00	0.00	0.00	0.00

Survey

MD ft	Incl deg	Azim bearing	TVD ft	+N-S ft	+E-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →		
								Deg	Min	Sec	Deg	Min	Sec
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	30	59	24.512 N	105	55	44.137 W
2500.00													

Planning Report - Geographic

Company: Southwestern Energy Production
Field: Eddy County, New Mexico
Site: Falcon #1
Well: Falcon #1
Wellbore: 1

Date: 1/7/2003 Time: 11:54:05
Co-ordinate(NE) Reference: Sta. Falcon #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N, 0.00E, 90.00Az)
Plan: Plan #2

Page: 4

Survey

MD ft	Incl deg	Azim bearing	TVD ft	+N-S ft	+E-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec		← Longitude → Deg Min Sec	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4465.80	0.00	0.00	4465.80	0.00	0.00	0.00	0.00	30 59	24 512 N	105 55	44 137 W
4475.00	1.44	90.00	4475.00	0.00	0.12	0.00	0.12	30 59	24 512 N	105 55	44 136 W
4500.00	5.34	90.00	4499.95	0.00	1.59	0.00	1.59	30 59	24 512 N	105 55	44 119 W
4525.00	9.24	90.00	4524.74	0.00	4.76	0.00	4.76	30 59	24 512 N	105 55	44 083 W
4550.00	13.14	90.00	4549.28	0.00	9.61	0.00	9.61	30 59	24 513 N	105 55	44 027 W
4575.00	17.04	90.00	4573.40	0.00	16.11	0.00	16.11	30 59	24 514 N	105 55	43 952 W
4600.00	20.94	90.00	4597.03	0.00	24.25	0.00	24.25	30 59	24 515 N	105 55	43 859 W
4625.00	24.84	90.00	4620.06	0.00	33.97	0.00	33.97	30 59	24 516 N	105 55	43 747 W
4650.00	28.74	90.00	4642.37	0.00	45.23	0.00	45.23	30 59	24 518 N	105 55	43 618 W
4675.00	32.64	90.00	4663.87	0.00	57.99	0.00	57.99	30 59	24 520 N	105 55	43 471 W
4700.00	36.54	90.00	4684.45	0.00	72.17	0.00	72.17	30 59	24 522 N	105 55	43 308 W
4725.00	40.44	90.00	4704.01	0.00	87.73	0.00	87.73	30 59	24 524 N	105 55	43 130 W
4750.00	44.34	90.00	4722.48	0.00	104.58	0.00	104.58	30 59	24 526 N	105 55	42 936 W
4775.00	48.24	90.00	4739.75	0.00	122.64	0.00	122.64	30 59	24 529 N	105 55	42 729 W
4800.00	52.14	90.00	4755.75	0.00	141.84	0.00	141.84	30 59	24 532 N	105 55	42 508 W
4825.00	56.04	90.00	4770.42	0.00	162.09	0.00	162.09	30 59	24 535 N	105 55	42 276 W
4850.00	59.94	90.00	4783.67	0.00	183.28	0.00	183.28	30 59	24 538 N	105 55	42 032 W
4875.00	63.84	90.00	4795.45	0.00	205.33	0.00	205.33	30 59	24 541 N	105 55	41 778 W
4900.00	67.74	90.00	4805.70	0.00	228.12	0.00	228.12	30 59	24 544 N	105 55	41 517 W
4925.00	71.64	90.00	4814.37	0.00	251.56	0.00	251.56	30 59	24 547 N	105 55	41 248 W
4950.00	75.54	90.00	4821.44	0.00	275.54	0.00	275.54	30 59	24 551 N	105 55	40 973 W
4975.00	79.44	90.00	4826.85	0.00	299.94	0.00	299.94	30 59	24 554 N	105 55	40 693 W
5000.00	83.34	90.00	4830.60	0.00	324.65	0.00	324.65	30 59	24 558 N	105 55	40 409 W
5025.00	87.24	90.00	4832.65	0.00	349.56	0.00	349.56	30 59	24 561 N	105 55	40 123 W
5036.31	89.00	90.00	4833.02	0.00	360.87	0.00	360.87	30 59	24 563 N	105 55	39 993 W
5100.00	89.00	90.00	4834.14	0.00	424.55	0.00	424.55	30 59	24 572 N	105 55	39 262 W
5200.00	89.00	90.00	4835.88	0.00	524.53	0.00	524.53	30 59	24 586 N	105 55	38 113 W
5300.00	89.00	90.00	4837.63	0.00	624.52	0.00	624.52	30 59	24 600 N	105 55	36 965 W
5400.00	89.00	90.00	4839.37	0.00	724.50	0.00	724.50	30 59	24 614 N	105 55	35 817 W
5500.00	89.00	90.00	4841.12	0.00	824.49	0.00	824.49	30 59	24 629 N	105 55	34 668 W
5600.00	89.00	90.00	4842.86	0.00	924.47	0.00	924.47	30 59	24 643 N	105 55	33 520 W
5700.00	89.00	90.00	4844.61	0.00	1024.46	0.00	1024.46				

Planning Report - Geographic

Company: Southwestern Energy Production
 Field: Eddy County, New Mexico
 Site: Falcon #1
 Well: Falcon #1
 Wellpath: 1

Date: 1/7/2003 Time: 11:54:05
 Co-ordinate(NE) Reference: Site: Falcon #1, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
 Plan: Plan #2

Page: 5

Targets

Name	Description Dip.	Dir.	TVD ft	+N-S ft	+E-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
Target #1			4833.00	0.00	350.00	0.00	350.00	30 59 24 561 N	105 55 40 118 W