

Pathfinder

BHL Report

Page 1
Job No: 101005480
Date: 5/31/2006
Time: 2:19 am
Wellpath ID: 101005480
Date Created: 5/18/2006
Last Revision: 5/31/2006

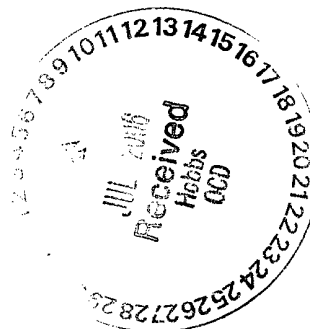
Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 89.75 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Yates Petroleum
New Grass State Unit #3
Patterson #497
Lea Co, NM
Lea Co, NM
101005480

SUR: P-15-15s-34e, 660/S & 660/E
BHL: P-15-15s-34e, 665/S & 699/E
API # 30-025-37454

Measured Depth	13549.00	(ft)
Inclination	16.33	(deg)
Azimuth	268.28	(deg)
True Vertical Depth	13507.48	(ft)
Vertical Section	-39.18	(ft)
Rectangular Offsets		
North/South	4.89 N	(ft)
East/West	39.20 W	(ft)
Closure Dist & Dir	39.51 @ 277.11	(deg)
Dogleg Severity	0.46	(deg/100ft)
Build Rate	-0.43	(deg/100ft)
Walk Rate	0.57	(deg/100ft)



[illegible]

E|||||1/4

Inrun

Outrun

Survey Data

Ascii file for : YATES PETROLEUM

Well Name : NEW GRASS STATE NO.3

Location : LEA COUNTY, NEW MEXICO

Survey date : 17-MAY-2006

SDC Job No. : 32K0506398

Referenced to : TRUE North

Units of Depth : Feet

Survey Type : KEEPER GYRO SURVEY

of the :

[illegible]

Depth	Deg	Deg
10	10	10
20	20	20
30	30	30
40	40	40
50	50	50
60	60	60
70	70	70
80	80	80
90	90	90
100	100	100
110	110	110
120	120	120
130	130	130
140	140	140
150	150	150
160	160	160
170	170	170
180	180	180
190	190	190
200	200	200
210	210	210
220	220	220
230	230	230
240	240	240
250	250	250
260	260	260
270	270	270
280	280	280
290	290	290
300	300	300
310	310	310
320	320	320
330	330	330
340	340	340
350	350	350
360	360	360
370	370	370
380	380	380
390	390	390
400	400	400
410	410	410
420	420	420
430	430	430
440	440	440
450	450	450
460	460	460
470	470	470
480	480	480
490	490	490
500	500	500
510	510	510
520	520	520
530	530	530
540	540	540
550	550	550
560	560	560
570	570	570
580	580	580
590	590	590
600	600	600
610	610	610
620	620	620
630	630	630
640	640	640
650	650	650
660	660	660
670	670	670
680	680	680
690	690	690
700	700	700
710	710	710
720	720	720
730	730	730
740	740	740
750	750	750
760	760	760
770	770	770
780	780	780
790	790	790
800	800	800
810	810	810
820	820	820
830	830	830
840	840	840
850	850	850
860	860	860
870	870	870
880	880	880
890	890	890
900	900	900
910	910	910
920	920	920
930	930	930
940	940	940
950	950	950
960	960	960
970	970	970
980	980	980
990	990	990
1000	1000	1000

0000-0001-9300-9300 0000-0001-9300-9300 0000-0001-9300-9300

0.00	0.00	0
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100.00	0.34	75.49
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200.00	0.40	96.7
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300.00	0.68	103.3
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400.00	0.58	104.99
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500.00	0.62	98.77
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600.00	0.79	103.3
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700.00	0.70	107.34
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800.00	0.61	110.25
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900.00	0.56	105.35
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1000.00	0.68	107.23
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1100.00	0.54	93.61
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1200.00	0.49	105.81
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1300.00	0.48	106.6
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1400.00	0.50	105.81
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1500.00	0.45	117.58
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1600.00	0.47	126.13
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1700.00	0.50	121.55
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1800.00	0.44	121.1
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1900.00	0.45	90.13
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2000.00	0.46	101.22
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2100.00	0.25	99.1
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2200.00	0.47	107.57
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2300.00	0.87	87.21
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2400.00	1.50	81.9
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2500.00	2.01	79.72
2600.00	2.38	78.48
2700.00	2.59	73.67
2800.00	2.62	72.03
2900.00	2.74	73.6
3000.00	2.64	73.63
3100.00	2.48	71.84
3200.00	2.45	76.15
3300.00	2.28	76.91
3400.00	2.17	75.55
3500.00	1.82	76.98
3600.00	1.56	78.41
3700.00	1.26	75.86
3800.00	1.00	84.71
3900.00	0.90	91.41
4000.00	0.85	91.37
4100.00	0.62	93.02
4200.00	0.69	103.64
4300.00	0.47	79.36
4400.00	0.44	89.39
4500.00	0.44	65.69
4600.00	0.45	69.4
4700.00	0.28	80.92
4800.00	0.26	73.37
4900.00	0.23	19.79
5000.00	0.25	23.15
5100.00	0.24	29.66
5200.00	0.22	303
5300.00	0.39	287.08
5400.00	0.57	303.03
5500.00	0.68	304.64
5600.00	0.61	288.06
5700.00	0.37	226.32
5800.00	0.54	244.79
5900.00	0.78	251.27
6000.00	1.16	265.54
6100.00	0.94	280.54
6200.00	0.77	282.05
6300.00	0.70	290.92
6400.00	0.55	297.83
6500.00	0.48	310.4
6600.00	0.38	332.11
6700.00	0.46	338.33
6800.00	0.43	341.65
6900.00	0.45	346.52
7000.00	0.34	14.6
7100.00	0.30	49.9
7200.00	0.43	78.28
7300.00	0.48	86.7
7400.00	0.61	88.49

2500.00	2.01	79.72
2600.00	2.38	78.48
2700.00	2.59	73.67
2800.00	2.62	72.03
2900.00	2.74	73.6
3000.00	2.64	73.63
3100.00	2.48	71.84
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4600.00	0.45	69.4
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5600.00	0.61	288.06
5700.00	0.37	226.32
5800.00	0.54	244.79
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6000.00	1.16	265.54
6100.00	0.94	280.54
6200.00	0.77	282.05
6300.00	0.70	290.92
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