

30-039-26756

May 27, 2003
3:01 pmPathTracker 4.0
Survey Calculation Program
BIGHORN DIRECTIONAL INC.

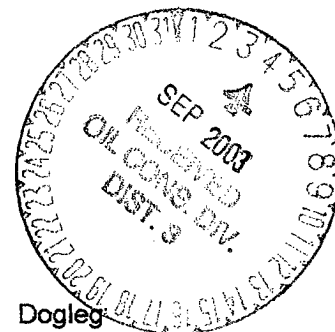
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Customer: SCHALK DEVELOPEMENT CO.
WellName: SCHALK 52 #6A
Location: RIO ARriba COUNTY, NM
BDI REP. DERRIL GLEIM
MWD REP

Vertical Section Calculated on: 350.0000

Survey Calculation Method: Minimum Curvature

FileName: C:\PATHTRKR\SHK6A.SR3



#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	255.00	0.70	98.00	254.99	-0.22	1.54	-0.48	0.27
2	313.00	1.10	54.60	312.99	0.06	2.35	-0.35	1.31
3	369.00	2.60	20.80	368.96	1.56	3.24	0.97	3.20
4	432.00	4.80	8.00	431.82	5.50	4.11	4.70	3.71
5	494.00	6.30	3.10	493.53	11.47	4.66	10.49	2.54
6	556.00	8.20	359.20	555.03	19.29	4.78	18.16	3.16
7	619.00	9.80	353.70	617.26	29.11	4.13	27.95	2.88
8	682.00	11.60	351.40	679.16	40.70	2.59	39.63	2.94
9	744.00	13.40	350.70	739.69	53.96	0.50	53.05	2.91
10	806.00	14.70	348.40	799.83	68.75	-2.24	68.10	2.28
11	869.00	15.10	347.10	860.71	84.58	-5.68	84.28	0.83
12	930.00	15.00	347.50	919.62	100.03	-9.17	100.11	0.24
13	992.00	15.00	347.60	979.51	115.70	-12.63	116.14	0.04
14	1055.00	15.10	347.20	1040.35	131.67	-16.19	132.48	0.23
15	1118.00	15.20	347.00	1101.16	147.72	-19.87	148.92	0.18
16	1180.00	15.40	346.30	1160.96	163.63	-23.65	165.25	0.44
17	1241.00	15.30	346.40	1219.78	179.33	-27.46	181.37	0.17
18	1362.00	15.50	346.00	1336.44	210.53	-35.12	213.43	0.19
19	1519.00	16.00	347.00	1487.54	251.97	-45.07	255.97	0.36
20	1797.00	17.25	346.00	1753.92	329.30	-63.66	335.35	0.46
21	2001.00	18.50	351.00	1948.08	390.62	-76.04	397.89	0.97
22	2263.00	18.75	355.00	2196.37	473.63	-86.21	481.40	0.50
23	2508.00	18.75	359.00	2428.38	552.23	-90.33	559.52	0.52
24	2796.00	19.25	2.00	2700.69	645.96	-89.48	651.68	0.38
25	3068.00	17.00	5.00	2959.18	730.39	-84.45	733.96	0.90
26	3194.00	16.25	7.00	3079.92	766.24	-80.70	768.61	0.75
27	3350.00	15.00	7.00	3230.15	807.94	-75.58	808.79	0.80
28	3443.00	14.25	8.00	3320.13	831.22	-72.52	831.19	0.85
29	3567.00	13.75	9.00	3440.45	860.89	-68.09	859.64	0.45
30	3786.00	12.00	11.00	3653.94	908.95	-59.67	905.50	0.82
31	4034.00	8.50	15.00	3897.95	951.97	-50.01	946.19	1.44
32	4314.00	7.00	9.00	4175.38	988.82	-41.98	981.08	0.61
33	4759.00	3.75	10.00	4618.37	1029.94	-35.21	1020.41	0.73
34	5127.00	2.50	3.00	4985.81	1049.81	-32.70	1039.54	0.35

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MWD REP

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Survey Calculation Method: Minimum Curvature
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#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f
35	5537.00	0.75	10.00	5395.63	1061.38	-31.77	1050.77	0.43
Ext	<u>5992.00</u>	0.25	10.00	5850.62	<u>1065.29</u>	<u>-31.08</u>	1054.50	0.11

Closure is 1065.7450 Feet on an azimuth of 358.3290

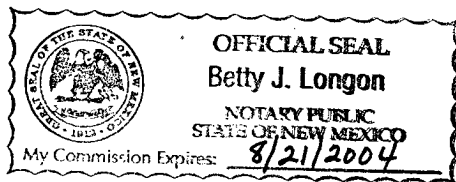
SCHALK DEVELOPMENT COMPANY

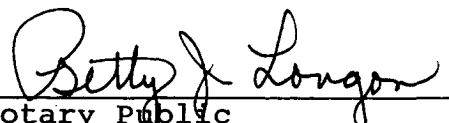


Steve Schalk

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

Subscribed and sworn to before me, a Notary Public, this
2nd day of September, 2003 by Steve Schalk.




Notary Public
8/21/2004
My Commission Expires