

Copy



10543 Fisher Rd. Houston, Texas 77041

Mr. Joe Garcia



Peoples Energy Production / Resource Production

Well Name / Location:

Gardner # 12
San Juan County, New Mexico

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case No. 13794 Exhibit No. 3

Submitted by:

PEOPLES ENERGY PRODUCTION - TEXAS L.P.

Hearing Date: October 26, 2006

Sharewell Energy Services, LP
713-983-9818



July 6, 2006

Mr. Joe Garcia
Staff Engineer

Peoples Energy Production Company
909 Fannin, Suite 1300
Houston, Texas 77010

Well Reference: **Gardner #12**
San Juan County, NM

Dear Joe,

Enclosed you will find our End of Well Report for the above referenced well.

If you have any questions or comments, please do not hesitate to contact me anytime.

Thank you very much for your confidence and this opportunity to serve Peoples Energy Production.

Sincerely,

A handwritten signature in black ink, appearing to read "Brandon West".

Brandon West
Well Planner / IT



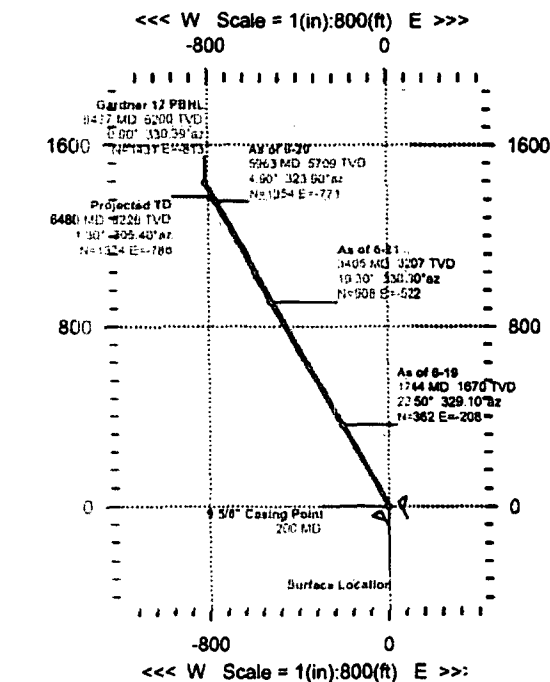
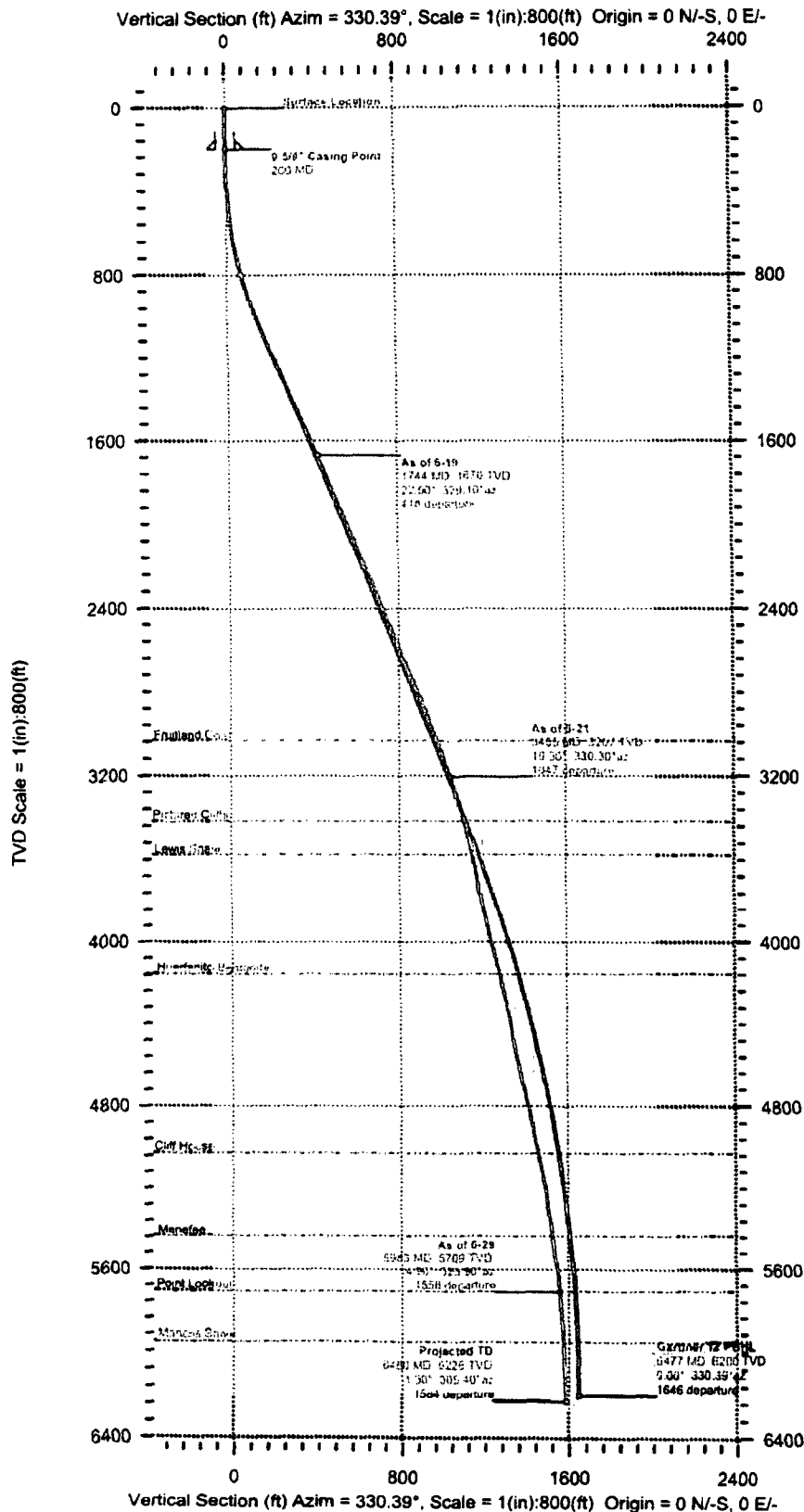
Office: (713) 983-9818
Mobile: (281) 687-8815
bwest@sharewell.com



Peoples Energy Production



Well Name	Gardner 12	County	San Juan County, New Mexico NAD 83	Structure	Patterson 754 / 20060810
Well Type	Oil	Depth	6477 MD	Well Status	Producing
Well Path	Vertical	Well Head	Surface	Well Head	Surface
Well Head	Surface	Well Head	Surface	Well Head	Surface
Well Head	Surface	Well Head	Surface	Well Head	Surface



Grid North
Tot Corr (N to G) +10.4617°
Mag Dec (+10.514°)
Grid Conv (+0.05226078°)





Survey Report



Report Date: July 6, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Peoples Energy Production	Vertical Section Azimuth: 330.390°
Field: San Juan County, New Mexico NAD 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Gardner 12 / Gardner 12	TVD Reference Datum:
Well: Gardner 12	TVD Reference Elevation: 0.0 ft relative to
Borehole: Gardner 12	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 10.514°
Survey Name / Date: Surveys / June 19, 2006	Total Field Strength: 51419.300 nT
Tort / AHD / DDI / ERD ratio: 84.957° / 1587.60 ft / 5.147 / 0.255	Magnetic Dip: 63.768°
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date: June 19, 2006
Location Lat/Long: N 36 57 0.600, W 107 44 46.900	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 2165201.779 RUS, E 2748504.829 RUS	North Reference: Grid North
Grid Convergence Angle: +0.05228078°	Total Corr Mag North -> Grid North: +10.462°
Grid Scale Factor: 0.99991741	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (RUS)	Easting (RUS)
Surface Location	0.00	0.00	330.39	0.00	0.00	0.00	0.00	0.00	0.00	2165201.78	2748504.83
	264.00	0.80	353.20	263.99	264.00	1.70	1.83	-0.22	0.30	2165203.61	2748504.61
	322.00	2.00	335.10	321.97	58.00	3.08	3.15	-0.69	2.18	2165204.93	2748504.14
	441.00	4.00	323.40	440.81	119.00	9.27	8.37	-4.04	1.75	2165210.14	2748500.79
	588.00	7.60	335.50	587.03	147.00	24.05	21.33	-11.13	2.57	2165223.11	2748493.70
	710.00	12.10	333.50	707.20	122.00	44.86	40.13	-20.19	3.70	2165241.90	2748484.64
	804.00	15.30	332.50	798.52	94.00	67.10	59.95	-30.31	3.41	2165261.72	2748474.52
	898.00	18.80	332.00	888.37	94.00	94.64	84.33	-43.15	3.73	2165286.10	2748461.68
	992.00	20.70	328.70	976.84	94.00	126.39	111.90	-58.90	2.34	2165313.67	2748445.94
	1086.00	23.30	329.20	1063.99	94.00	161.59	142.07	-77.05	2.77	2165343.84	2748427.78
As of 3-19	1180.00	23.20	328.40	1150.36	94.00	198.68	173.81	-96.27	0.35	2165375.58	2748408.56
	1274.00	22.80	327.50	1236.88	94.00	235.38	204.94	-115.76	0.57	2165406.70	2748389.08
	1368.00	22.90	329.30	1323.51	94.00	271.85	236.03	-134.88	0.75	2165437.79	2748369.96
	1462.00	22.40	329.80	1410.26	94.00	308.05	267.24	-153.23	0.57	2165468.99	2748351.61
	1556.00	23.10	329.90	1496.95	94.00	344.40	298.67	-171.49	0.75	2165500.42	2748333.36
	1650.00	23.10	329.90	1583.41	94.00	381.27	330.57	-189.98	0.00	2165532.33	2748314.86
	1744.00	22.50	329.10	1670.06	94.00	417.70	361.96	-208.47	0.72	2165563.71	2748296.38
	1837.00	23.10	330.10	1755.80	93.00	453.73	393.05	-226.70	0.77	2165594.79	2748278.15
	1931.00	23.80	330.80	1842.03	94.00	491.14	425.59	-245.15	0.80	2165627.33	2748259.70
	2026.00	22.70	330.50	1929.32	95.00	528.64	458.28	-263.52	1.16	2165660.02	2748241.33
As of 3-21	2120.00	22.90	330.70	2015.97	94.00	565.06	490.01	-281.41	0.23	2165691.75	2748223.45
	2214.00	21.80	329.80	2102.91	94.00	600.80	521.05	-299.14	1.23	2165722.78	2748205.72
	2308.00	23.20	329.10	2189.75	94.00	636.77	552.02	-317.43	1.52	2165753.75	2748187.43
	2402.00	23.40	329.80	2276.09	94.00	673.95	584.04	-336.32	0.36	2165785.77	2748168.53
	2497.00	22.30	328.70	2363.63	95.00	710.83	615.75	-355.18	1.24	2165817.47	2748149.68
	2590.00	22.60	330.60	2449.58	93.00	746.33	646.39	-373.12	0.84	2165848.12	2748131.74
	2684.00	22.70	329.40	2536.33	94.00	782.53	677.74	-391.22	0.50	2165879.46	2748113.65
	2809.00	22.90	331.30	2651.57	125.00	830.96	719.83	-415.17	0.61	2165921.55	2748089.69
	2904.00	22.80	331.20	2739.11	95.00	867.85	752.18	-432.92	0.11	2165953.89	2748071.95
	3029.00	22.40	330.40	2854.51	125.00	915.89	794.11	-456.35	0.40	2165995.82	2748048.52
As of 3-21	3123.00	21.10	329.30	2941.82	94.00	950.71	824.23	-473.84	1.45	2166025.94	2748031.03
	3217.00	20.00	330.10	3029.84	94.00	983.71	852.72	-490.49	1.21	2166054.42	2748014.38
	3310.00	20.00	331.50	3117.23	93.00	1015.51	880.48	-506.00	0.51	2166082.19	2747998.87
	3405.00	19.30	330.30	3206.70	95.00	1047.45	908.40	-521.53	0.85	2166110.10	2747983.34
	3499.00	17.20	329.80	3295.96	94.00	1078.89	933.90	-536.22	2.24	2166135.60	2747968.65
	3593.00	15.20	327.90	3386.23	94.00	1103.10	956.36	-549.77	2.20	2166158.08	2747955.11
	3687.00	14.30	327.50	3477.13	94.00	1127.01	976.59	-562.55	0.96	2166178.28	2747942.33
	3781.00	13.00	325.80	3568.47	94.00	1149.14	995.12	-574.73	1.45	2166196.82	2747930.15
	3901.00	9.80	326.50	3688.09	120.00	1172.79	1014.81	-587.96	2.67	2166216.50	2747916.92
	4027.00	12.50	338.80	3809.72	126.00	1196.99	1036.47	-598.81	2.84	2166238.16	2747906.07

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ft)	Easting (ft)
	4154.00	12.80	344.30	3933.64	127.00	1224.24	1062.83	-607.59	0.98	2166264.52	2747897.29
	4281.00	14.50	343.50	4057.05	127.00	1253.38	1091.62	-615.91	1.35	2166293.31	2747888.97
	4439.00	13.90	333.70	4210.24	158.00	1291.60	1127.60	-629.94	1.57	2166329.29	2747874.94
	4534.00	11.00	333.90	4303.00	95.00	1312.04	1145.98	-638.99	3.05	2166347.86	2747865.90
	4661.00	10.20	322.90	4427.84	127.00	1335.29	1165.83	-651.10	1.71	2166367.51	2747853.78
	4788.00	10.90	325.10	4552.70	127.00	1358.39	1184.65	-664.75	0.64	2166386.32	2747840.13
	4915.00	13.30	331.10	4676.87	127.00	1384.96	1207.29	-678.69	2.13	2166408.96	2747826.20
	5042.00	11.80	329.90	4800.83	127.00	1412.55	1231.31	-692.26	1.20	2166432.99	2747812.63
	5170.00	11.60	328.00	4926.17	128.00	1438.50	1253.55	-705.64	0.34	2166455.22	2747799.25
	5296.00	11.90	329.00	5049.53	126.00	1464.14	1275.43	-719.05	0.29	2166477.10	2747785.84
	5392.00	10.70	327.00	5143.67	96.00	1482.94	1291.39	-729.00	1.31	2166493.05	2747775.89
	5488.00	9.20	326.40	5238.22	96.00	1499.49	1305.25	-738.10	1.57	2166506.92	2747766.79
	5583.00	7.80	326.10	5332.18	95.00	1513.49	1316.93	-745.90	1.47	2166518.60	2747758.99
	5678.00	6.40	326.70	5426.45	95.00	1525.21	1326.71	-752.40	1.48	2166528.37	2747752.49
	5773.00	8.20	328.40	5520.67	95.00	1537.26	1336.90	-758.86	1.91	2166538.57	2747746.03
	5868.00	6.10	323.70	5614.93	95.00	1549.05	1346.74	-765.40	2.29	2166548.41	2747739.50
As of 6-29	5963.00	4.90	323.90	5709.49	95.00	1558.09	1354.09	-770.78	1.26	2166555.75	2747734.12
	6059.00	4.50	318.50	5805.17	96.00	1565.85	1360.22	-775.69	0.62	2166561.89	2747729.21
	6154.00	3.60	319.80	5899.93	95.00	1572.43	1365.29	-780.08	0.95	2166566.95	2747724.81
	6249.00	2.40	316.30	5994.80	95.00	1577.29	1369.01	-783.38	1.28	2166570.67	2747721.51
	6344.00	1.80	316.20	6089.73	95.00	1580.67	1371.52	-785.79	0.63	2166573.19	2747719.11
Projected TD	6440.00	1.30	305.40	6185.70	96.00	1583.12	1373.24	-787.72	0.60	2166574.90	2747717.18
	6480.00	1.30	305.40	6225.69	40.00	1583.94	1373.77	-788.46	0.00	2166575.43	2747716.44



JOB NO.:	20060610	Report Time:	2400	2 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Saturday, June 17, 2006 at 0000 to Saturday, June 17, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	220.00	Rotary Hours	9.58	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	1094.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	0 - 400	65	
Total Drilled:	874.00	Avg. Total ROP:	61.33	Mud Data							
Total Rotary Drilled:	527.00	Avg. Rotary ROP:	54.99	Type	SPUD			PV	0	SOLID	0
Total Drilled Sliding:	347.00	Avg. Slide ROP:	74.36	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	4.67	Percent Rotary:	60.30	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	21.50	Percent Slide:	39.70	Chlorides	0	WL	0			Oil %	0
PERSONNEL				cASING				BHA			
Lead Directional :	CHARLEY VANHOOZEN			Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,				
Second Directional :	COREY WOODS			20	0	0					
MWD Operator1	CHARLEY VANHOOZEN										
MWD Operator2	COREY WOODS										
Directional Company:	SHAREWELL										
Geologist:				Signature:							
Company Man:	RUSTY DONHAM										
Incl. In:	0	Azm. In:	0	Incl. Out:	20.7	Azm. Out:	328.7				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Jun-06	00:00	02:30	2.50	220	220	Test BOPS	TEST BOPE
17-Jun-06	02:30	03:00	0.50	220	220	Rig Service-Outhole	RIG SERVICE
17-Jun-06	03:00	03:45	0.75	220	220	Other	L/D COLLARS
17-Jun-06	03:45	06:00	2.25	220	220	Change BHA	CHANGE BHA
17-Jun-06	06:00	08:00	2.00	220	220	TIH	TIH
17-Jun-06	08:00	09:30	1.50	220	220	Drilling Cement	DRILLING CEMENT
17-Jun-06	09:30	10:00	0.50	220	220	Rig Service-Inhole	Rig Service-Inhole
17-Jun-06	10:00	12:00	2.00	220	304	Drilling	DRILLING
17-Jun-06	12:00	12:10	0.17	304	304	Survey & Conn.	Survey & Conn.
17-Jun-06	12:10	12:20	0.17	304	332	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	12:20	12:45	0.42	332	362	Sliding	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	12:45	13:20	0.58	362	393	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	13:20	13:25	0.08	393	393	Survey & Conn.	Survey & Conn.
17-Jun-06	13:25	13:45	0.33	393	421	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	13:45	14:10	0.42	421	452	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	14:10	14:35	0.42	452	509	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	14:35	14:40	0.08	509	509	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Jun-06	14:40	15:10	0.50	509	538	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	15:10	15:35	0.42	538	569	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	15:35	16:30	0.92	569	598	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	16:30	16:55	0.42	598	628	Sliding	SLIDING
17-Jun-06	16:55	17:15	0.33	628	628	Rig Service-Inhole	Rig Service-Inhole
17-Jun-06	17:15	17:20	0.08	628	628	Survey & Conn.	SURVEY
17-Jun-06	17:20	17:45	0.42	628	656	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	17:45	18:15	0.50	656	687	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	18:15	18:20	0.08	687	687	Survey & Conn.	Survey & Conn.
17-Jun-06	18:20	18:35	0.25	687	719	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	18:35	19:20	0.75	719	750	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	19:20	19:25	0.08	750	750	Survey & Conn.	Survey & Conn.
17-Jun-06	19:25	19:35	0.17	750	782	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	19:35	19:55	0.33	782	813	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	19:55	20:25	0.50	813	844	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	20:25	20:30	0.08	844	844	Survey & Conn.	Survey & Conn.
17-Jun-06	20:30	21:00	0.50	844	875	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	21:00	21:15	0.25	875	906	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	21:15	21:30	0.25	906	938	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	21:30	21:35	0.08	938	938	Survey & Conn.	Survey & Conn.
17-Jun-06	21:35	22:05	0.50	938	969	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	22:05	22:25	0.33	969	1000	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	22:25	22:50	0.42	1000	1020	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	22:50	22:55	0.08	1020	1020	Survey & Conn.	Survey & Conn.
17-Jun-06	22:55	23:00	0.08	1020	1020	Survey & Conn.	Survey & Conn.
17-Jun-06	23:00	23:25	0.42	1020	1063	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
17-Jun-06	23:25	23:55	0.50	1063	1083	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
17-Jun-06	23:55	24:00	0.08	1083	1094	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)



JOB NO.:	20060610	Report Time:	2400	3 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Sunday, June 18, 2006 at 0000 to Sunday, June 18, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	1094.00	Rotary Hours	15.83	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	2572.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	1478.00	Avg. Total ROP:	76.45	Mud Data							
Total Rotary Drilled:	1372.00	Avg. Rotary ROP:	86.65	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	106.00	Avg. Slide ROP:	30.29	Weight	8.7	GAS	0	YP	0	BHT*	0
Slide Hours	3.50	Percent Rotary:	92.83	Viscosity	0	SAND	0	PH	0	Flow T*	0
Below Rotary Hrs.	24.00	Percent Slide:	7.17	Chlorides	0	WL	0			Oil %	0

PERSONNEL						cASING			BHA
Lead Directional :		CHARLEY VANHOOZEN				Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,
Second Directional :		COREY WOODS							
MWD Operator1		CHARLEY VANHOOZEN							
MWD Operator2		COREY WOODS							
Directional Company:		SHAREWELL							
Geologist:									
Company Man:		RUSTY DONHAM							
Signature:									
Incl. In:	20.7	Azm. In:	328.7	Incl. Out:	22.3	Azm. Out:	328.7		

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jun-06	00:00	01:25	1.42	1094	1094	Rig Service-Inhole	Rig Service-Inhole
18-Jun-06	01:25	01:35	0.17	1094	1126	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	01:35	01:40	0.08	1126	1126	Survey & Conn.	Survey & Conn.
18-Jun-06	01:40	02:40	1.00	1126	1220	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	02:40	02:45	0.08	1220	1220	Survey & Conn.	Survey & Conn.
18-Jun-06	02:45	03:50	1.08	1220	1314	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	03:50	03:55	0.08	1314	1314	Survey & Conn.	Survey & Conn.
18-Jun-06	03:55	04:15	0.33	1314	1345	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	04:15	04:35	0.33	1345	1362	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
18-Jun-06	04:35	05:00	0.42	1362	1408	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	05:00	05:05	0.08	1408	1408	Survey & Conn.	Survey & Conn.
18-Jun-06	05:05	06:00	0.92	1408	1502	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	06:00	06:10	0.17	1502	1502	Survey & Conn.	Survey & Conn.
18-Jun-06	06:10	06:30	0.33	1502	1533	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	06:30	06:55	0.42	1533	1546	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
18-Jun-06	06:55	07:20	0.42	1546	1596	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
18-Jun-06	07:20	07:25	0.08	1596	1596	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jun-06	07:25	08:15	0.83	1596	1690	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	08:15	08:20	0.08	1690	1690	Survey & Conn.	Survey & Conn.
18-Jun-06	08:20	08:50	0.50	1690	1690	Rig Service-Inhole	Rig Service-Inhole
18-Jun-06	08:50	09:30	0.67	1690	1784	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	09:30	09:35	0.08	1784	1784	Survey & Conn.	Survey & Conn.
18-Jun-06	09:35	10:05	0.50	1784	1815	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	10:05	10:25	0.33	1815	1830	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
18-Jun-06	10:25	11:05	0.67	1830	1877	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	11:05	11:10	0.08	1877	1877	Survey & Conn.	Survey & Conn.
18-Jun-06	11:10	12:25	1.25	1877	1971	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	12:25	12:30	0.08	1971	1971	Survey & Conn.	Survey & Conn.
18-Jun-06	12:30	13:20	0.83	1971	2066	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	13:20	13:25	0.08	2066	2066	Survey & Conn.	Survey & Conn.
18-Jun-06	13:25	13:55	0.50	2066	2130	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	13:55	14:20	0.42	2130	2150	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
18-Jun-06	14:20	14:35	0.25	2150	2160	Drilling	DRILLING
18-Jun-06	14:35	14:40	0.08	2160	2160	Survey & Conn.	Survey & Conn.
18-Jun-06	14:40	15:15	0.58	2160	2254	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	15:15	16:30	1.25	2254	2254	Rig repair	Rig repair, Rotary Chain
18-Jun-06	16:30	16:35	0.08	2254	2254	Survey & Conn.	Survey & Conn.
18-Jun-06	16:35	17:05	0.50	2254	2285	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	17:05	18:00	0.92	2285	2310	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
18-Jun-06	18:00	18:30	0.50	2310	2348	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	18:30	18:35	0.08	2348	2348	Survey & Conn.	Survey & Conn.
18-Jun-06	18:35	19:40	1.08	2348	2442	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	19:40	19:45	0.08	2442	2442	Survey & Conn.	Survey & Conn.
18-Jun-06	19:45	22:20	2.58	2442	2537	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
18-Jun-06	22:20	22:30	0.17	2537	2537	Survey & Conn.	Survey & Conn.
18-Jun-06	22:30	23:35	1.08	2537	2553	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
18-Jun-06	23:35	24:00	0.42	2553	2572	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)



JOB NO.:	20060610	Report Time:	2400	4 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Monday, June 19, 2006 at 0000 to Monday, June 19, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	2572.00	Rotary Hours	13.83	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3209.00	Circulating Hours	7.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	637.00	Avg. Total ROP:	42.94	Mud Data							
Total Rotary Drilled:	617.00	Avg. Rotary ROP:	44.60	Type	SPUD			PV	0	SOLID	0
Total Drilled Sliding:	20.00	Avg. Slide ROP:	20.00	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	1.00	Percent Rotary:	96.86	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	3.14	Chlorides	0	WL	0			Oil %	0
PERSONNEL				cASING				BHA			
Lead Directional :	CHARLEY VANHOOZEN			Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,				
Second Directional :	COREY WOODS			20	0	0					
MWD Operator1	CHARLEY VANHOOZEN			Signature:							
MWD Operator2	COREY WOODS										
Directional Company:	SHAREWELL										
Geologist:											
Company Man:	RUSTY DONHAM										
Incl. In:	22.3	Azm. In:	328.7	Incl. Out:	21.1	Azm. Out:	329.3				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jun-06	00:00	01:10	1.17	2572	2630	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	01:10	01:15	0.08	2630	2630	Survey & Conn.	Survey & Conn.
19-Jun-06	01:15	04:35	3.33	2630	2724	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	04:35	04:40	0.08	2724	2724	Survey & Conn.	Survey & Conn.
19-Jun-06	04:40	05:55	1.25	2724	2755	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	05:55	06:25	0.50	2755	2765	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
19-Jun-06	06:25	06:55	0.50	2765	2786	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	06:55	07:30	0.58	2786	2786	Rig Service-Inhole	Rig Service-Inhole
19-Jun-06	07:30	07:55	0.42	2786	2818	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	07:55	08:20	0.42	2818	2818	Rig Service-Inhole	Rig Service-Inhole
19-Jun-06	08:20	09:05	0.75	2818	2849	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	09:05	09:10	0.08	2849	2849	Survey & Conn.	Survey & Conn.
19-Jun-06	09:10	11:30	2.33	2849	2944	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	11:30	11:35	0.08	2944	2944	Survey & Conn.	Survey & Conn.
19-Jun-06	11:35	12:20	0.75	2944	3007	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
19-Jun-06	12:20	19:20	7.00	3007	3007	Change Mud	Change Mud
19-Jun-06	19:20	20:30	1.17	3007	3069	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jun-06	20:30	20:40	0.17	3069	3069	Survey & Conn.	Survey & Conn.
19-Jun-06	20:40	22:00	1.33	3069	3163	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
19-Jun-06	22:00	22:05	0.08	3163	3163	Survey & Conn.	Survey & Conn.
19-Jun-06	22:05	22:40	0.58	3163	3163	Rig Service-Inhole	Rig Service-Inhole
19-Jun-06	22:40	23:20	0.67	3163	3194	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
19-Jun-06	23:20	23:50	0.50	3194	3204	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
19-Jun-06	23:50	24:00	0.17	3204	3209	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)



JOB NO.: 20060610	Report Time: 2400	5 of 14
COMPANY: Peoples Energy Production	API JOB #	
LOCATION: SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#	
RIG NAME: PATTERSON 754	FIELD: NAD 83	
STATE: NM	Township:	
COUNTY: SAN JUAN	SECTOR/RANGE:	
WELL NAME: GARDNER 12		

From Tuesday, June 20, 2006 at 0000 to Tuesday, June 20, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3209.00	Rotary Hours	14.83	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.92	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	648.00	Avg. Total ROP:	34.56	Mud Data							
Total Rotary Drilled:	578.00	Avg. Rotary ROP:	38.97	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	70.00	Avg. Slide ROP:	17.87	Weight	8.7	GAS	0	YP	0	BHT*	0
Slide Hours	3.92	Percent Rotary:	89.20	Viscosity	0	SAND	0	PH	0	Flow T*	0
Below Rotary Hrs.	24.00	Percent Slide:	10.80	Chlorides	0	WL	0			Oil %	0

PERSONNEL		cASING			BHA						
Lead Directional :	CHARLEY VANHOOZEN	Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,						
Second Directional :	COREY WOODS	20	0	0							
MWD Operator1	CHARLEY VANHOOZEN	Signature:									
MWD Operator2	COREY WOODS										
Directional Company:	SHAREWELL										
Geologist:											
Company Man:	RUSTY DONHAM										
Incl. In:	21.1	Azm. In:	329.3	Incl. Out:	13	Azm. Out:	325.8				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jun-06	00:00	01:50	1.83	3209	3257	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	01:50	01:55	0.08	3257	3257	Survey & Conn.	Survey & Conn.
20-Jun-06	01:55	02:40	0.75	3257	3265	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	02:40	03:40	1.00	3265	3288	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
20-Jun-06	03:40	06:05	2.42	3288	3350	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	06:05	06:10	0.08	3350	3350	Survey & Conn.	Survey & Conn.
20-Jun-06	06:10	06:55	0.75	3350	3367	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
20-Jun-06	06:55	08:10	1.25	3367	3445	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	08:10	08:15	0.08	3445	3445	Survey & Conn.	Survey & Conn.
20-Jun-06	08:15	09:10	0.92	3445	3458	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
20-Jun-06	09:10	10:50	1.67	3458	3539	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	10:50	10:55	0.08	3539	3539	Survey & Conn.	Survey & Conn.
20-Jun-06	10:55	12:00	1.08	3539	3585	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	12:00	13:15	1.25	3585	3602	Sliding	Sliding - (WOB:10;GPM :400;TFO:0)
20-Jun-06	13:15	13:40	0.42	3602	3633	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	13:40	13:45	0.08	3633	3633	Survey & Conn.	Survey & Conn.
20-Jun-06	13:45	15:10	1.42	3633	3727	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jun-06	15:10	15:15	0.08	3727	3727	Survey & Conn.	Survey & Conn.
20-Jun-06	15:15	17:30	2.25	3727	3821	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	17:30	17:35	0.08	3821	3821	Survey & Conn.	Survey & Conn.
20-Jun-06	17:35	19:20	1.75	3821	3857	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
20-Jun-06	19:20	20:15	0.92	3857	3857	Circulating	Circulating
20-Jun-06	20:15	24:00	3.75	3857	3857	POOH	L/D PIPE



JOB NO.:	20060610	Report Time:	2400	6 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Wednesday, June 21, 2006 at 0000 to Wednesday, June 21, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	0.00	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	2.83	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0

PERSONNEL						cASING			BHA						
Lead Directional :		CHARLEY VANHOOZEN				Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,						
Second Directional :		COREY WOODS													
MWD Operator1		CHARLEY VANHOOZEN													
MWD Operator2		COREY WOODS													
Directional Company:		SHAREWELL													
Geologist:						Signature:									
Company Man:		RUSTY DONHAM													
Incl. In:		13		Azm. In:		325.8		Incl. Out:		13		Azm. Out:		325.8	

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jun-06	00:00	02:50	2.83	3857	3857	POOH	L/D PIPE & DIR. TOOLS
21-Jun-06	02:50	24:00	21.17	3857	3857	Standby	Standby



JOB NO.:	20060610	Report Time:	2400	7 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Thursday, June 22, 2006 at 0000 to Thursday, June 22, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	0.00	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	SPUD			PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	0.00	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0

PERSONNEL						cASING			BHA	
Lead Directional :		CHARLEY VANHOOZEN				Size	Lb/ft	Set Depth	BHA # 1:8 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's.	
Second Directional :		COREY WOODS				20	0	0		
MWD Operator1		CHARLEY VANHOOZEN				Signature:				
MWD Operator2		COREY WOODS								
Directional Company:		SHAREWELL								
Geologist:										
Company Man:		RUSTY DONHAM								
Incl. In:	13	Azm. In:	325.8	Incl. Out:	13	Azm. Out:	325.8			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
22-Jun-06	00:00	24:00	24.00	3857	3857	Standby	Standby CASING AND CEMENT



JOB NO.:	20060610	Report Time:	2400	8 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Friday, June 23, 2006 at 0000 to Friday, June 23, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	0.00	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.7	GAS	0	YP	0	BHT*	
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T*	
Below Rotary Hrs.	0.00	Percent Slide:	NA	Chlorides	0	WL	0	Oil %	0		
PERSONNEL				cASING			BHA				
Lead Directional :	CHARLEY VANHOOZEN			Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's,				
Second Directional :	COREY WOODS			20	0	0					
MWD Operator1	CHARLEY VANHOOZEN			Signature:							
MWD Operator2	COREY WOODS										
Directional Company:	SHAREWELL										
Geologist:											
Company Man:	RUSTY DONHAM										
Incl. In:	13	Azm. In:	325.8	Incl. Out:	13	Azm. Out:	325.8				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-Jun-06	00:00	24:00	24.00	3857	3857	Standby	Standby



JOB NO.:	20060610	Report Time:	2400	9 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Saturday, June 24, 2006 at 0000 to Saturday, June 24, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	0.00	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	SPUD			PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	0.00	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0

PERSONNEL		cASING			BHA	
Lead Directional :	CHARLEY VANHOOZEN	Size	Lb/ft	Set Depth	BHA # 1:6 1/4 HCC505Z, 6 1/2 PDM 7:8 4.8, UBHO SUB, PONY MONEL, GAP SUB, BATT CARR, 6 1/2 MONEL DC, 6 1/2 MONEL DC, 17 DC's.	
Second Directional :	COREY WOODS	20	0	0		
MWD Operator1	CHARLEY VANHOOZEN	Signature:				
MWD Operator2	COREY WOODS					
Directional Company:	SHAREWELL					
Geologist:						
Company Man:	RUSTY DONHAM					

Incl. In:	13	Azm. In:	325.8	Incl. Out:	13	Azm. Out:	325.8
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GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
24-Jun-06	00:00	24:00	24.00	3857	3857	Standby	Standby



JOB NO.:	20060610	Report Time:	2400	10 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Sunday, June 25, 2006 at 0000 to Sunday, June 25, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	0.67	WOB	10	Pick UP	40	Slack Off	40	SPM	
End Depth	3857.00	Circulating Hours	0.00	RAB	40	SPP	600	FlowRate	400 - 400	65	
Total Drilled:	0.00	Avg. Total ROP:	.00	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	.00	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.7	GAS	0	YP	0	BHT*	0
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T*	0
Below Rotary Hrs.	7.00	Percent Slide:	NA	Chlorides	0	WL	0		Oil %	0	

PERSONNEL						cASING			BHA	
Lead Directional :		CHARLEY VANHOOZEN				Size	Lb/ft	Set Depth	BHA # 2:6 1/4 HCC505Z, 4 3/4 PDM 1.5, MULESHOE, TOOL CARRIER, GAP SUB, BATTERY SUB, MONEL, MONEL, 12 4 3/4 DC'S,	
Second Directional :		COREY WOODS				20	0	0		
MWD Operator1		CHARLEY VANHOOZEN				Signature:				
MWD Operator2		COREY WOODS								
Directional Company:		SHAREWELL								
Geologist:										
Company Man:		RUSTY DONHAM								
Incl. In:	13	Azm. In:	325.8	Incl. Out:	13	Azm. Out:	325.8			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Jun-06	00:00	17:00	17.00	3857	3857	Standby	Standby
25-Jun-06	17:00	18:45	1.75	3857	3857	Change BHA	Change BHA
25-Jun-06	18:45	21:20	2.58	3857	3857	TIH	TIH
25-Jun-06	21:20	22:00	0.67	3857	3857	Drilling Cement	Drilling - (WOB:10;GPM:400;RPM:60)
25-Jun-06	22:00	24:00	2.00	3857	3857	POOH	POOH F/Motor



JOB NO.:	20060610	Report Time:	2400	11 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Monday, June 26, 2006 at 0000 to Monday, June 26, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3857.00	Rotary Hours	9.67	WOB	10	Pick UP	75	Slack Off	60	SPM	
End Depth	4251.00	Circulating Hours	0.00	RAB	68	SPP	1200	FlowRate	250 - 400	40	
Total Drilled:	394.00	Avg. Total ROP:	25.02	Mud Data							
Total Rotary Drilled:	285.00	Avg. Rotary ROP:	29.48	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	109.00	Avg. Slide ROP:	17.92	Weight	8.7	GAS	0	YP	0	BHT*	0
Slide Hours	6.08	Percent Rotary:	72.34	Viscosity	0	SAND	0	PH	0	Flow T*	0
Below Rotary Hrs.	24.00	Percent Slide:	27.66	Chlorides	0	WL	0			Oil %	0

PERSONNEL				cASING			BHA
Lead Directional :	CHARLEY VANHOOZEN	Size	Lb/ft	Set Depth	BHA # 3:6 1/4 HCC5052, 4 3/4 PDM 1.5, 4 3/4 MULESHOE, TOOL CARRIER, GAP SUB, BATTERY SUB, MONEL, MONEL, 12 4 3/4 DC'S,		
Second Directional :	COREY WOODS	20	0	0			
MWD Operator1	CHARLEY VANHOOZEN						
MWD Operator2	COREY WOODS						
Directional Company:	SHAREWELL						
Geologist:		Signature:					
Company Man:	RUSTY DONHAM						
Incl. In:	13	Azm. In:	325.8	Incl. Out:	12.8	Azm. Out:	344.3

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Jun-06	00:00	01:30	1.50	3857	3857	POOH	POOH
26-Jun-06	01:30	04:30	3.00	3857	3857	Change BHA	Change BHA
26-Jun-06	04:30	06:15	1.75	3857	3857	TIH	TIH
26-Jun-06	06:15	09:20	3.08	3857	3857	Drilling Cement	Drilling Cement
26-Jun-06	09:20	09:50	0.50	3857	3857	Rig Service-Inhole	Rig Service-Inhole
26-Jun-06	09:50	11:10	1.33	3857	3941	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
26-Jun-06	11:10	11:15	0.08	3941	3941	Survey & Conn.	Survey & Conn.
26-Jun-06	11:15	12:05	0.83	3941	3941	Rig repair	Rig repair
26-Jun-06	12:05	12:45	0.67	3941	3973	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
26-Jun-06	12:45	13:30	0.75	3973	4005	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
26-Jun-06	13:30	14:30	1.00	4005	4021	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
26-Jun-06	14:30	15:30	1.00	4021	4067	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
26-Jun-06	15:30	15:35	0.08	4067	4067	Survey & Conn.	Survey & Conn.
26-Jun-06	15:35	16:40	1.08	4067	4099	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
26-Jun-06	16:40	17:40	1.00	4099	4130	Sliding	Sliding - (WOB:10;GPM:400;TFO:0)
26-Jun-06	17:40	19:25	1.75	4130	4194	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
26-Jun-06	19:25	19:30	0.08	4194	4194	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Jun-06	19:30	22:55	3.42	4194	4224	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
26-Jun-06	22:55	23:35	0.67	4224	4251	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
26-Jun-06	23:35	24:00	0.42	4251	4251	Rig repair	Rig repair (work on pump)



JOB NO.:	20060610	Report Time:	2400	12 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECTRANGE:		
WELL NAME:	GARDNER 12			

From Tuesday, June 27, 2006 at 0000 to Tuesday, June 27, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	4251.00	Rotary Hours	7.08	WOB	10	Pick UP	75	Slack Off	60	SPM	
End Depth	4859.00	Circulating Hours	0.00	RAB	68	SPP	1200	FlowRate	250 - 400	40	
Total Drilled:	608.00	Avg. Total ROP:	26.63	Mud Data							
Total Rotary Drilled:	323.00	Avg. Rotary ROP:	45.60	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	285.00	Avg. Slide ROP:	18.10	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	15.75	Percent Rotary:	53.13	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	46.88	Chlorides	0	WL	0			Oil %	0

PERSONNEL				cASING			BHA
Lead Directional :	CHARLEY VANHOOZEN	Size	Lb/ft	Set Depth	Signature:		BHA # 3:6 1/4 HCC505Z, 4 3/4 PDM 1.5, 4 3/4 MULESHOE, TOOL CARRIER, GAP SUB, BATTERY SUB, MONEL, MONEL, 12 4 3/4 DC'S.
Second Directional :	COREY WOODS	20	0	0			
MWD Operator1	CHARLEY VANHOOZEN						
MWD Operator2	COREY WOODS						
Directional Company:	SHAREWELL						
Geologist:							
Company Man:	RUSTY DONHAM						
Incl. In:	12.8	Azm. In:	344.3	Incl. Out:	10.9	Azm. Out:	325.1

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Jun-06	00:00	00:10	0.17	4251	4251	Rig repair	Rig repair (work on pump)
27-Jun-06	00:10	00:25	0.25	4251	4257	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	00:25	01:50	1.42	4257	4289	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	01:50	02:20	0.50	4289	4321	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	02:20	02:30	0.17	4321	4321	Survey & Conn.	Survey & Conn.
27-Jun-06	02:30	04:45	2.25	4321	4352	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	04:45	06:15	1.50	4352	4415	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	06:15	08:30	2.25	4415	4447	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	08:30	09:15	0.75	4447	4479	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	09:15	09:20	0.08	4479	4479	Survey & Conn.	Survey & Conn.
27-Jun-06	09:20	10:00	0.67	4479	4510	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	10:00	11:15	1.25	4510	4542	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	11:15	11:40	0.42	4542	4574	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	11:40	11:45	0.08	4574	4574	Survey & Conn.	Survey & Conn.
27-Jun-06	11:45	13:15	1.50	4574	4605	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	13:15	13:50	0.58	4605	4637	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	13:50	13:55	0.08	4637	4637	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Jun-06	13:55	15:20	1.42	4637	4669	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	15:20	15:50	0.50	4669	4701	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	15:50	15:55	0.08	4701	4701	Survey & Conn.	Survey & Conn.
27-Jun-06	15:55	17:35	1.67	4701	4732	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	17:35	18:00	0.42	4732	4764	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	18:00	18:05	0.08	4764	4764	Survey & Conn.	Survey & Conn.
27-Jun-06	18:05	22:05	4.00	4764	4828	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	22:05	22:15	0.17	4828	4828	Survey & Conn.	Survey & Conn.
27-Jun-06	22:15	22:30	0.25	4828	4828	Rig Service-Inhole	Rig Service-Inhole
27-Jun-06	22:30	24:00	1.50	4828	4859	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)



JOB NO.:	20060610	Report Time:	2400	13 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Wednesday, June 28, 2006 at 0000 to Wednesday, June 28, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	4859.00	Rotary Hours	16.17	WOB	15	Pick UP	75	Slack Off	60	SPM	
End Depth	5763.00	Circulating Hours	0.00	RAB	68	SPP	1200	FlowRate	250 - 400	40	
Total Drilled:	904.00	Avg. Total ROP:	40.63	Mud Data							
Total Rotary Drilled:	788.00	Avg. Rotary ROP:	48.74	Type	SPUD			PV	0	SOLID	0
Total Drilled Sliding:	116.00	Avg. Slide ROP:	19.07	Weight	8.7	GAS	0	YP	0	BHT°	0
Slide Hours	6.08	Percent Rotary:	87.17	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	12.83	Chlorides	0	WL	0			Oil %	0

PERSONNEL				cASING			BHA			
Lead Directional :	CHARLEY VANHOOZEN	Size	20	Lb/ft	0	Set Depth				
Second Directional :	COREY WOODS									
MWD Operator1	CHARLEY VANHOOZEN	Signature:								
MWD Operator2	COREY WOODS									
Directional Company:	SHAREWELL									
Geologist:										
Company Man:	RUSTY DONHAM									
Incl. In:	12.8	Azm. In:	344.3	Incl. Out:	10.9	Azm. Out:	325.1			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Jun-06	00:00	00:10	0.17	4251	4251	Rig repair	Rig repair (work on pump)
27-Jun-06	00:10	00:25	0.25	4251	4257	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	00:25	01:50	1.42	4257	4289	Sliding	Sliding - (WOB:12;GPM:250;TFO:0)
27-Jun-06	01:50	02:20	0.50	4289	4321	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	02:20	02:30	0.17	4321	4321	Survey & Conn.	Survey & Conn.
27-Jun-06	02:30	04:45	2.25	4321	4352	Sliding	Sliding - (WOB:12;GPM:250;TFO:0)
27-Jun-06	04:45	06:15	1.50	4352	4415	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	06:15	08:30	2.25	4415	4447	Sliding	Sliding - (WOB:12;GPM:250;TFO:0)
27-Jun-06	08:30	09:15	0.75	4447	4479	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	09:15	09:20	0.08	4479	4479	Survey & Conn.	Survey & Conn.
27-Jun-06	09:20	10:00	0.67	4479	4510	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	10:00	11:15	1.25	4510	4542	Sliding	Sliding - (WOB:12;GPM:250;TFO:0)
27-Jun-06	11:15	11:40	0.42	4542	4574	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	11:40	11:45	0.08	4574	4574	Survey & Conn.	Survey & Conn.
27-Jun-06	11:45	13:15	1.50	4574	4605	Sliding	Sliding - (WOB:12;GPM:250;TFO:0)
27-Jun-06	13:15	13:50	0.58	4605	4637	Drilling	Drilling - (WOB:10;GPM:400;RPM:60)
27-Jun-06	13:50	13:55	0.08	4637	4637	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Jun-06	13:55	15:20	1.42	4637	4669	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	15:20	15:50	0.50	4669	4701	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	15:50	15:55	0.08	4701	4701	Survey & Conn.	Survey & Conn.
27-Jun-06	15:55	17:35	1.67	4701	4732	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	17:35	18:00	0.42	4732	4764	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)
27-Jun-06	18:00	18:05	0.08	4764	4764	Survey & Conn.	Survey & Conn.
27-Jun-06	18:05	22:05	4.00	4764	4828	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
27-Jun-06	22:05	22:15	0.17	4828	4828	Survey & Conn.	Survey & Conn.
27-Jun-06	22:15	22:30	0.25	4828	4828	Rig Service-Inhole	Rig Service-Inhole
27-Jun-06	22:30	24:00	1.50	4828	4859	Drilling	Drilling - (WOB:10;GPM :400;RPM:60)



JOB NO.:	20060610	Report Time:	2400	14 of 14
COMPANY:	Peoples Energy Production	API JOB #		
LOCATION:	SAN JUAN COUNTY, NEW MEXICO	WORK ORDER#		
RIG NAME:	PATTERSON 754	FIELD:	NAD 83	
STATE:	NM	Township:		
COUNTY:	SAN JUAN	SECT/RANGE:		
WELL NAME:	GARDNER 12			

From Thursday, June 29, 2006 at 0000 to Thursday, June 29, 2006 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5763.00	Rotary Hours	5.17	WOB	15	Pick UP	75	Slack Off	60	SPM	
End Depth	6003.00	Circulating Hours	0.00	RAB	68	SPP	1200	FlowRate	250 - 250	40	
Total Drilled:	240.00	Avg. Total ROP:	40.56	Mud Data							
Total Rotary Drilled:	227.00	Avg. Rotary ROP:	43.94	Type	SPUD	PV	0	SOLID	0		
Total Drilled Sliding:	13.00	Avg. Slide ROP:	17.33	Weight	8.7	GAS	0	YP	0	BHT*	
Slide Hours	0.75	Percent Rotary:	94.58	Viscosity	0	SAND	0	PH	0	Flow T*	
Below Rotary Hrs.	6.08	Percent Slide:	5.42	Chlorides	0	WL	0	Oil %	0		
PERSONNEL				CASING			BHA				
Lead Directional :	CHARLEY VANHOOZEN			Size	Lb/ft	Set Depth	BHA # 3:8 1/4 HCC5052, 4 3/4 PDM 1.5, 4 3/4 MULESHOE, TOOL CARRIER, GAP SUB, BATTERY SUB, MONEL, MONEL, 12 4 3/4 DC'S,				
Second Directional :	COREY WOODS			20	0	0					
MWD Operator1	CHARLEY VANHOOZEN										
MWD Operator2	COREY WOODS										
Directional Company:	SHAREWELL										
Geologist:				Signature:							
Company Man:	RUSTY DONHAM										
Incl. In:	6.4	Azm. In:	326.7	Incl. Out:	0	Azm. Out:	0				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-Jun-06	00:00	01:05	1.08	5763	5813	Drilling	Drilling - (WOB:15;GPM :250;RPM:60)
29-Jun-06	01:05	01:10	0.08	5813	5813	Survey & Conn.	Survey & Conn.
29-Jun-06	01:10	02:50	1.67	5813	5908	Drilling	Drilling - (WOB:15;GPM :250;RPM:60)
29-Jun-06	02:50	02:55	0.08	5908	5908	Survey & Conn.	Survey & Conn.
29-Jun-06	02:55	03:40	0.75	5908	5921	Sliding	Sliding - (WOB:12;GPM :250;TFO:0)
29-Jun-06	03:40	06:05	2.42	5921	6003	Drilling	Drilling - (WOB:15;GPM :250;RPM:60)



Well Information

BHA # 1

JOB NO.: 20060610

FIELD: NAD 83

COMPANY: Peoples Energy Production
LOCATION: SAN JUAN COUNTY, NEW MEXICO

Township:
SECT. RANGE:

RIG NAME: PATTERSON 754

Lead DD: CHARLEY VANHOOZEN

STATE: NM

Co. Man: RUSTY DONHAM

COUNTY: SAN JUAN

BHA TYPE: Steerable Assembly

WELL NAME: GARDNER 12

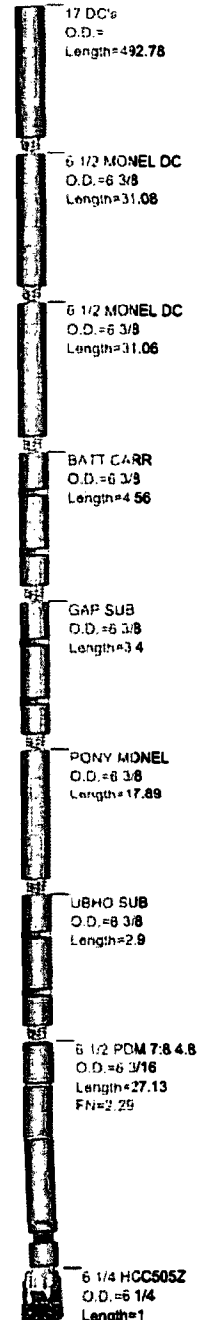
BHA Summary Information

TIME IN - OUT		Rotary Hours		54.08	Start Depth		220.00	RPM	Flow Rate
Start Time	End Time	Circulating Hours		75.08	End Depth		3857.00		
17-Jun-00 @ 606:00	25-Jun-00 @ 618:45	Slide Hours		13.08	Percent Rotary:		85.07	0-60	0-400
		Below Rotary Hrs.		94.58	Percent Slide:		14.93		
Total Drilled:		3637.00	Avg. Total ROP:		54.15	Incl.	Azimuth		
Total Rotary Drilled:		3094.00	Avg. Rotary ROP:		57.21	IN	OUT	IN	OUT
Total Drilled Sliding:		543.00	Avg. Slide ROP:		41.50	.0	.0	.00	.00
SPP	600	Weights	SO	0-40	PU	0-40	RAB	0-40	Reason POOH

Bit Data		MOTOR DATA		Mud Data	
BAKER	6 1/4 HCC505Z	Slick Steerable ABH		Type	SPUD
Type Bit		Model: 7/8 4.8		WT 8.7 GAS 0 Solids 0	
TFA 0.76		MFG. Black Max		Vis 0 SAND 0 T° 0	
JETS		Bend ° 1.5		PV 0 PH 0 Chlor 0	
Bit Coding		Rev/GAL 0		YP 0 WL 0 Oil % 0	
IR	OR	DL	Loc	BS	G
0	0				
Bit Drop: 222 PSI @ 400 GPM		Sensor Offsets		BHT° 0	
Comments		Sensor	40	Sonic	0
		Gamma	0	DN8C	200
		Restiv	0	GYRO	0
		Efficiency		Liner	.00
				Stroke	.00
				PUMPS	.00
				PUMP1	.00
				PUMP1	.00

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	6 1/4 HCC505Z	7005054		6 1/4	1.00	1.00	3 1/2 REGP
2	6 1/2 PDM 7.8 4.8	650787		6 3/16	27.13	28.13	4 1/2 XHB
3	UBHO SUB	060650626	3 1/4	6 3/8	2.90	31.03	4 1/2 IFB
4	PONY MONEL	060650310	3 1/4	6 3/8	17.89	48.92	4 1/2 IFB
5	GAP SUB	060650606	3 1/4	6 3/8	3.40	52.32	4 1/2 IFB
6	BATT CARR	060650307	3 1/4	6 3/8	4.56	56.88	4 1/2 XHB
7	6 1/2 MONEL DC	64309638	2 13/16	6 3/8	31.06	87.94	4 1/2 XHB
8	6 1/2 MONEL DC	64309642	2 13/16	6 3/8	31.08	119.02	4 1/2 XHB
9	17 DC's	RIG			492.78	611.80	B



WinSURV II BHA Report

Well Information

BHA # 2



JOB NO.: 20060610
 COMPANY: Peoples Energy Production
 LOCATION: SAN JUAN COUNTY, NEW MEXICO
 RIG NAME: PATTERSON 754
 STATE: NM
 COUNTY: SAN JUAN
 WELL NAME: GARDNER 12

FIELD: NAD 83
 Township:
 SECT. RANGE:
 Lead DD: CHARLEY VANHOOZEN
 Co. Man: RUSTY DONHAM
 BHA TYPE: Steerable Assembly

BHA Summary Information

TIME IN - OUT		Rotary Hours		.67	Start Depth		3857.00	RPM	Flow Rate
Start Time	End Time	Circulating Hours		.67	End Depth		3857.00		
25-Jun-00 @ 618:45	26-Jun-00 @ 604:30	Slide Hours		.00	Percent Rotary:		NA	60 -60	400 -400
		Below Rotary Hrs.		9.75	Percent Slide:		NA		
Total Drilled:		.00	Avg. Total ROP:		.00	Incl.	Azimuth		
Total Rotary Drilled:		.00	Avg. Rotary ROP:		.00	IN	OUT	IN	OUT
Total Drilled Sliding:		.00	Avg. Slide ROP:		NA	.0	.0	.00	.00
SPP	600	Weights	SO	40-40	PU	40-40	RAB	40-40	Reason POOH

Bit Data				MOTOR DATA				Mud Data			
BAKER 6 1/4 HCC505Z				4 3/4 5:6 1.5 adj				Type SPUD			
Type Bit				Model:				WT 8.7 GAS 0 Solids 0			
TFA 0.981				MFG. BLACK MAX				Vis 0 SAND 0 T° 0			
JETS				Bend ° 1.5 Stator/Rotor 7:8				PV 0 PH 0 Chlor 0			
Bit Coding				Rev/GAL 0				YP 0 WL 0 Oil % 0			
IR OR DL Loc BS G ODL				NB Stab 0				BHT° 0			
Bit Drop: 133 PSI @ 400 GPM				Rotor Jet 0							
Comments				Sensor Offsets				Type			
				Sensor 40 Sonic 0				.00			
				Gamma 0 DNSC 3858				.00			
				Restiv 0 GYRO 0				.00			

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	6 1/4 HCC505Z	7005054		6 1/4	1.00	1.00	3 1/2 REGP
2	4 3/4 PDM 1.5	47526		4 1/2	22.65	23.65	3 1/2 IFB
3	MULESHOE	040475314	2 3/8	4 3/4	2.94	26.59	3 1/2 IFB
4	TOOL CARRIER	040475103P	2 3/4	4 3/4	17.99	44.58	3 1/2 IFB
5	GAP SUB	040475616	2 3/4	4 3/4	3.70	48.28	3 1/2 IFB
6	BATTERY SUB	040475103	2 11/16	4 3/4	4.52	52.80	3 1/2 IFB
7	MONEL	46309581	2 5/16	4 3/4	31.12	83.92	3 1/2 IFB
8	MONEL	46309582	2 5/16	4 3/4	31.13	115.05	3 1/2 IFB
9	12 4 3/4 DC'S	RIG	2 1/4	4 3/4	362.42	477.47	3 1/2 IF

12 4 3/4 DC'S
 O.D.=4 3/4
 Length=362.42

MONEL
 O.D.=4 3/4
 Length=31.13

MONEL
 O.D.=4 3/4
 Length=31.12

BATTERY SUB
 O.D.=4 3/4
 Length=4.52

GAP SUB
 O.D.=4 3/4
 Length=3.7

MULESHOE
 O.D.=4 1/4
 Length=2.94

4 3/4 PDM 1.5
 O.D.=4 1/2
 Length=22.65
 FN=2.05

6 1/4 HCC505Z
 O.D.=6 1/4
 Length=1

Well Information

BHA # 3



JOB NO.: 20060610

FIELD: NAD 83

COMPANY: Peoples Energy Production
LOCATION: SAN JUAN COUNTY, NEW MEXICO

Township:
SECT. RANGE:

RIG NAME: PATTERSON 754

Lead DD: CHARLEY VANHOOZEN

STATE: NM

Co. Man: RUSTY DONHAM

COUNTY: SAN JUAN

BHA TYPE: Steerable Assembly

WELL NAME: GARDNER 12

BHA Summary Information

TIME IN - OUT		Rotary Hours	38.08	Start Depth	3857.00	RPM	Flow
Start Time	End Time	Circulating Hours	66.75	End Depth	6003.00	Range	Rate
26-Jun-00 @ 604:30	29-Jun-00 @ 606:05	Slide Hours	28.67	Percent Rotary:	75.63	55 -60	250
		Below Rotary Hrs.	73.58	Percent Slide:	24.37		-400

Total Drilled:	2146.00	Avg. Total ROP:	32.15	Incl.	Azimuth		
Total Rotary Drilled:	1623.00	Avg. Rotary ROP:	42.62	IN OUT	IN	OUT	
Total Drilled Sliding:	523.00	Avg. Slide ROP:	18.24	.0	11.6	.00	328.00
SPP	1200	Weights	SO	40 -80	PU	40 -75	RAB
							40 -88 Reason POOH

Bit Data						MOTOR DATA						Mud Data					
BAKER						7:B 1.5 ADJ						Type		SPUD			
Type Bit			PDC			Model:			Pad OD			WT 8.7		GAS 0		Solids 0	
TFA		0.981				MFG. BLACK MAX			5 1/16			Vis 0		SAND 0		T ° 0	
JETS		16	16	16	16	16	Bend ° 1.5		Stator/Roto 7:8		PV 0		PH 0		Chlor 0		
		0	0	0	0	0	Bit to Bend 5.25		Motor Diff		YP 0		WL 0		Oil % 0		
Bit Coding			IADC#			Rev/GAL 0						PUMPS		PUMP1		PUMP1	
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0			NAME							
0	0						Rotor Jet 0			Model							
Bit Drop:		133 PSI @ 400 GPM				Sensor Offsets				Type							
Comments					Sensor	40	Sonic	0	Liner				.00				
					Gamma	0	DN5C	3857	Stroke				.00				
					Restiv	0	GYRO	0	Efficiency				.00				

Comments

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	6 1/4 HCC505Z	7005054		6 1/4	1.00	1.00	3 1/2 REGP
2	4 3/4 PDM 1.5	47560		4 3/4	22.65	23.65	3 1/2 IFB
3	4 3/4 MULESHOE	040475311MP	2 3/8	4 3/4	2.93	26.58	3 1/2 IFB
4	TOOL CARRIER	040475103P	2 3/4	4 3/4	17.99	44.57	3 1/2 IFB
5	GAP SUB	040475616	2 3/4	4 3/4	3.70	48.27	3 1/2 IFB
6	BATTERY SUB	040475103	2 11/16	4 3/4	4.52	52.79	3 1/2 IFB
7	MONEL	48309581	2 5/16	4 3/4	31.12	83.91	3 1/2 IFB
8	MONEL	48309582	2 5/16	4 3/4	31.13	115.04	3 1/2 IFB
9	12 4 3/4 DC'S	RIG	2 1/4	4 3/4	362.42	477.46	3 1/2 IF

12 4 3/4 DC'S
O.D.=4 3/4
Length=362.42

MONEL
O.D.=4 3/4
Length=31.13

MONEL
O.D.=4 3/4
Length=31.12

BATTERY SUB
O.D.=4 3/4
Length=4.52

GAP SUB
O.D.=4 3/4
Length=3.7

4 3/4 PDM 1.5
O.D.=4 3/4
Length=22.65
FN=2.04

6 1/4 HCC505Z
O.D.=6 1/4
Length=1

WinSURV II BHA Report