

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Southland Royalty APM State #2H
Location: Sec 24, T19S, R29E
Operator: Yates
Drilling Contractor: McVay Drilling Company

30-015-39749

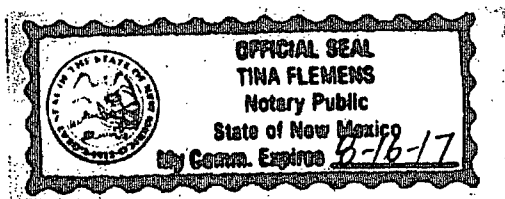
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.88	197	1.80	6793	89.80	11189
2.30	420	1.30	7042	91.50	11377
0.60	739	1.50	7296	89.40	11562
0.30	1593	6.00	7764	91.40	11939
0.80	1844	10.20	7827	91.40	12410
1.20	2346	11.60	7856	92.90	12730
1.50	2848	26.40	7984		
1.40	3099	54.60	8266		
1.60	3550	90.30	8612		
1.50	3601	94.50	8921		
1.20	4031	93.11	9016		
1.10	4533	92.94	9203		
1.70	5036	91.40	9580		
1.70	5538	90.20	9957		
1.80	5788	91.20	10050		
1.60	6039	91.30	10342		
2.60	6542	92.10	10719		

By: Harley Crum

Subscribed and sworn to before me this 20th day of May, 2014

Tina FLEMENS
Notary Public, Lea County, New Mexico



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 26 2014

RECEIVED

Customer: Yates Petroleum				Rig: McVay Rig #8				Latitude: 32° 38' 21.350 N			
Lease, Well No.: Southland Royalty APM #2H				Job No.: CDD-14025				Longitude: 104° 1' 17.270			
County or Parrish: Eddy County, NM				Location or Area: Artesia, NM				Mag Decl: 7.48°			
 CHILDRESS DIRECTIONAL DRILLING								Horizontal Targets			
								Calculated f/ Targets			
								TVD			
								EOC			
								PBHL			
								8274.19			
								8182.85			
								494.40			
								4846.65			
								-15.41			
								-151.02°			
Tie-In Survey Co.:				Minimum Curvature Calculations				Rates / 100' M.D.			
Surveying Company: Childress Directional Drilling				Proposed Azimuth: 358.22°				Build or			
Survey No.				E / -W				R or -L			
M.D.				V. SECT.				Above or			
INCL.				DLS / 100'				-Below			
AZM.								Turn			
TVD								Right or			
N / -S								-Left			
Tie-In											
0.00				0.00'				0.00°			

1.	420.00	2.30	149.50	419.89'	-7.26'	4.28'	-7.39'	0.55°
2.	559.00	2.00	189.80	558.80'	-12.06'	5.28'	-12.21'	1.08°
3.	793.00	0.60	236.00	792.74'	-16.77'	3.57'	-16.87'	0.70°
4.	1091.00	0.20	108.40	1,090.73'	-17.80'	2.77'	-17.88'	0.25°
5.	1342.00	0.70	103.60	1,341.72'	-18.30'	4.68'	-18.44'	0.20°
6.	1593.00	0.30	53.40	1,592.71'	-18.27'	6.69'	-18.47'	0.22°
7.	1844.00	0.80	346.40	1,843.70'	-16.17'	6.81'	-16.38'	0.29°
8.	2095.00	1.00	355.90	2,094.67'	-12.29'	6.24'	-12.47'	0.10°
9.	2346.00	1.20	306.80	2,345.63'	-8.53'	3.98'	-8.65'	0.37°
10.	2597.00	1.20	294.20	2,596.58'	-5.88'	-0.52'	-5.86'	0.10°
11.	2848.00	1.50	304.40	2,847.51'	-2.94'	-5.63'	-2.77'	0.15°
12.	3099.00	1.40	318.30	3,098.43'	1.20'	-10.38'	1.52'	0.15°
13.	3350.00	1.60	318.80	3,349.34'	6.13'	-14.73'	6.58'	0.08°
14.	3601.00	1.50	309.50	3,600.25'	10.86'	-19.57'	11.46'	0.11°
15.	3780.00	1.50	318.90	3,779.19'	14.11'	-22.92'	14.82'	0.14°
16.	4031.00	1.20	320.60	4,030.12'	18.62'	-26.75'	19.44'	0.12°
17.	4282.00	1.30	295.70	4,281.06'	21.88'	-30.98'	22.84'	0.22°
18.	4533.00	1.10	313.90	4,532.01'	24.79'	-35.28'	25.87'	0.17°
19.	4785.00	1.30	325.20	4,783.95'	28.81'	-38.66'	30.00'	0.12°
20.	5036.00	1.70	352.10	5,034.87'	34.84'	-40.79'	36.09'	0.32°
21.	5287.00	1.70	348.10	5,285.76'	42.17'	-42.07'	43.46'	0.05°
22.	5538.00	1.70	340.10	5,536.65'	49.31'	-44.11'	50.66'	0.09°
23.	5788.00	1.80	339.40	5,786.53'	56.48'	-46.75'	57.90'	0.04°
24.	6039.00	1.60	341.20	6,037.42'	63.48'	-49.27'	64.98'	0.08°
25.	6290.00	2.20	340.40	6,288.28'	71.34'	-52.01'	72.92'	0.24°
26.	6542.00	2.60	328.60	6,540.06'	80.77'	-56.61'	82.49'	0.25°
27.	6793.00	1.80	357.30	6,790.88'	89.57'	-59.77'	91.39'	0.53°
28.	7045.00	1.30	357.30	7,042.79'	96.38'	-60.09'	98.20'	0.20°
29.	7296.00	1.50	329.00	7,293.72'	102.04'	-61.91'	103.91'	0.28°
30.	7547.00	2.00	300.20	7,544.60'	107.06'	-67.39'	109.10'	0.40°
31.	7680.00	1.50	315.60	7,677.54'	109.47'	-70.62'	111.61'	0.51°

The above survey data is true and correct, complete and within the limitations of the tool as set forth by Childress Directional Drilling, LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Yates Petroleum Corporation; that I reviewed these MWD Surveys and find they conform to the principles and procedures as set forth by Childress Directional Drilling.

Regards,



Art Poffenroth
MWD Manager
Childress Directional Drilling, LLC

Customer: Yates Petroleum			Rig: McVay Rig #8			Latitude: 32° 38' 21.350 N				
Lease, Well No.: Southland Royalty APM #2H			Job No.: CDD-14025			Longitude: 104° 1' 17.270				
County or Parrish: Eddy County, NM			Location or Area: Artesia, NM			Mag Decl.: 7.48°				
						Horizontal Targets				
						Calculated f/Targets		TVD	EOC	PBHL
						Elevation	3,356.00	N/S	494.40	4846.65
						Dip Angle	60.42°	E/W	15.41	151.02
Tie-In Survey Co.:				Minimum Curvature Calculations		Rates / 100' M.D.		Dist f/Target Line		
Surveying Company: Childress Directional Drilling				Proposed Azimuth: 358.22°		Build or	R or -L	Above or		
						-Drop	Turn	-Below		
Tie-In				7600.00		2.05		15.65		
				7,597.81'		114.92'		-22.65'		
				115.57'		1.22°				

1	7764.00	6.00	348.50	7,761.38'	126.15'	-23.57'	126.82'	2.61°
2	7796.00	9.20	351.00	7,793.10'	130.32'	-24.30'	131.01'	10.05°
3	7827.00	10.20	1.80	7,823.66'	135.51'	-24.60'	136.21'	6.68°
4	7858.00	11.60	356.10	7,854.10'	141.36'	-24.73'	142.06'	5.69°
5	7890.00	14.80	352.60	7,885.25'	148.63'	-25.47'	149.35'	10.30°
6	7921.00	18.90	349.90	7,914.91'	157.50'	-26.87'	158.26'	13.46°
7	7952.00	22.80	349.30	7,943.88'	168.35'	-28.86'	169.16'	12.60°
8	7984.00	26.40	349.90	7,972.97'	181.45'	-31.26'	182.33'	11.28°
9	8015.00	29.10	350.70	8,000.40'	195.68'	-33.69'	196.63'	8.79°
10	8047.00	32.00	351.00	8,027.96'	211.73'	-36.27'	212.76'	9.07°
11	8078.00	35.60	352.60	8,053.71'	228.80'	-38.72'	229.89'	11.96°
12	8109.00	39.30	354.90	8,078.32'	247.53'	-40.76'	248.68'	12.76°
13	8141.00	42.90	357.50	8,102.43'	268.52'	-42.13'	269.70'	12.45°
14	8172.00	46.50	1.20	8,124.47'	290.31'	-42.36'	291.48'	14.33°
15	8204.00	48.90	1.70	8,146.00'	313.97'	-41.76'	315.11'	7.69°
16	8235.00	51.60	0.80	8,165.82'	337.79'	-41.24'	338.91'	8.99°
17	8266.00	54.60	0.40	8,184.43'	362.58'	-40.98'	363.68'	9.73°
18	8298.00	58.70	359.90	8,202.02'	389.30'	-40.92'	390.39'	12.88°
19	8329.00	62.60	359.60	8,217.21'	416.32'	-41.04'	417.39'	12.61°
20	8361.00	65.30	0.00	8,231.27'	445.07'	-41.13'	446.13'	8.51°
21	8392.00	68.50	1.20	8,243.43'	473.57'	-40.83'	474.61'	10.92°
22	8424.00	72.10	1.70	8,254.21'	503.69'	-40.07'	504.69'	11.35°
23	8455.00	74.30	2.10	8,263.17'	533.35'	-39.08'	534.30'	7.20°
24	8486.00	76.20	359.80	8,271.06'	563.32'	-38.59'	564.24'	9.44°
25	8518.00	79.90	358.80	8,277.69'	594.61'	-38.97'	595.54'	11.96°
26	8549.00	82.20	357.00	8,282.51'	625.21'	-40.10'	626.16'	9.38°
27	8580.00	85.90	355.90	8,285.73'	655.98'	-42.01'	656.97'	12.45°
28	8612.00	90.30	356.80	8,286.79'	687.89'	-44.04'	688.93'	14.03°
29	8639.00	92.00	359.00	8,286.24'	714.86'	-45.03'	715.92'	10.30°
30	8670.00	92.50	359.90	8,285.03'	745.84'	-45.33'	746.89'	3.32°
31	8702.00	92.60	0.00	8,283.60'	777.81'	-45.36'	778.84'	0.44°
32	8733.00	92.70	0.00	8,282.17'	808.77'	-45.36'	809.79'	0.32°
33	8827.00	93.10	359.60	8,277.41'	902.65'	-45.68'	903.64'	0.60°
34	8921.00	94.50	0.70	8,271.18'	996.44'	-45.44'	997.37'	1.89°
35	9016.00	93.50	1.10	8,264.56'	1,091.20'	-43.95'	1,092.04'	1.13°
36	9109.00	94.30	0.70	8,258.23'	1,183.97'	-42.49'	1,184.72'	0.96°
37	9203.00	92.90	0.40	8,252.33'	1,277.78'	-41.59'	1,278.45'	1.52°
38	9298.00	92.00	359.00	8,248.27'	1,372.69'	-42.09'	1,373.33'	1.75°
39	9392.00	93.10	359.10	8,244.09'	1,466.58'	-43.65'	1,467.23'	1.18°
40	9486.00	91.50	358.00	8,240.31'	1,560.47'	-46.02'	1,561.14'	2.07°

41	9580.00	91.40	357.50	8,237.94'	1,654.36'	-49.71'	1,655.11'	0.54°
42	9674.00	92.70	357.50	8,234.57'	1,748.21'	-53.81'	1,749.04'	1.38°
43	9769.00	91.30	357.20	8,231.26'	1,843.05'	-58.20'	1,843.97'	1.51°
44	9863.00	91.10	358.40	8,229.29'	1,936.96'	-61.81'	1,937.94'	1.29°
45	9957.00	90.20	359.40	8,228.22'	2,030.93'	-63.61'	2,031.93'	1.43°
46	10060.00	91.20	359.10	8,226.96'	2,133.92'	-64.96'	2,134.90'	1.01°
47	10154.00	92.00	359.00	8,224.34'	2,227.87'	-66.52'	2,228.86'	0.86°
48	10248.00	92.80	359.00	8,220.40'	2,321.77'	-68.16'	2,322.76'	0.85°
49	10342.00	91.30	359.00	8,217.04'	2,415.69'	-69.80'	2,416.69'	1.60°
50	10436.00	89.60	358.30	8,216.30'	2,509.66'	-72.01'	2,510.68'	1.96°
51	10530.00	90.30	358.30	8,216.38'	2,603.62'	-74.80'	2,604.68'	0.74°
52	10624.00	91.10	358.30	8,215.24'	2,697.57'	-77.59'	2,698.68'	0.85°
53	10719.00	92.10	358.30	8,212.58'	2,792.49'	-80.41'	2,793.64'	1.05°
54	10813.00	91.20	357.50	8,209.88'	2,886.38'	-83.85'	2,887.59'	1.28°
55	10907.00	91.90	357.10	8,207.33'	2,980.24'	-88.28'	2,981.65'	0.86°
56	11001.00	90.30	356.40	8,205.53'	3,074.07'	-93.60'	3,075.50'	1.86°
57	11095.00	91.30	356.50	8,204.22'	3,167.88'	-99.42'	3,169.44'	1.07°
58	11189.00	89.80	357.50	8,203.32'	3,261.74'	-104.34'	3,263.41'	1.92°
59	11283.00	90.50	357.10	8,203.07'	3,355.64'	-108.77'	3,357.40'	0.86°
60	11377.00	91.50	356.90	8,201.43'	3,449.49'	-113.69'	3,451.36'	1.08°
61	11468.00	91.60	354.50	8,198.97'	3,540.20'	-120.51'	3,542.23'	2.64°
62	11562.00	89.40	355.80	8,198.15'	3,633.85'	-128.46'	3,636.09'	2.72°
63	11656.00	89.20	358.40	8,199.30'	3,727.71'	-133.21'	3,730.05'	2.77°
64	11751.00	90.20	358.40	8,199.79'	3,822.67'	-135.86'	3,825.05'	1.05°
65	11845.00	90.10	0.50	8,199.55'	3,916.66'	-136.77'	3,919.02'	2.24°
66	11939.00	91.40	0.40	8,198.32'	4,010.65'	-136.03'	4,012.94'	1.39°
67	12033.00	92.50	0.50	8,195.12'	4,104.59'	-135.29'	4,106.81'	1.18°
68	12127.00	93.80	0.40	8,189.95'	4,198.45'	-134.55'	4,200.60'	1.39°
69	12221.00	92.10	358.30	8,185.11'	4,292.31'	-135.62'	4,294.45'	2.87°
70	12316.00	89.80	359.60	8,183.54'	4,387.27'	-137.36'	4,389.42'	2.78°
71	12410.00	91.40	359.60	8,182.56'	4,481.26'	-138.01'	4,483.38'	1.70°
72	12504.00	89.80	358.50	8,181.57'	4,575.24'	-139.57'	4,577.36'	2.07°
73	12598.00	90.90	358.50	8,181.00'	4,669.20'	-142.03'	4,671.36'	1.17°
74	12693.00	92.40	358.70	8,178.26'	4,764.13'	-144.35'	4,766.32'	1.59°
75	12730.00	92.90	358.80	8,176.55'	4,801.08'	-145.16'	4,803.27'	1.38°
PTB	12775.00	92.90	358.80	8,174.27'	4,846.01'	-146.10'	4,848.21'	0.00°

The above survey data is true and correct, complete and within the limitations of the tool as set forth by Childress Directional Drilling, LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Yates Petroleum Corporation; that I reviewed these MWD Surveys and find they conform to the principles and procedures as set forth by Childress Directional Drilling.

Regards;


 Art Poffenroth
 MWD Manager
 Childress Directional Drilling, LLC

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION
ARTESIA DISTRICT
SEP 29 2014
RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32380		² Pool Code 96718		³ Pool Name Loco Hills; Glorieta - Yeso	
⁴ Property Code 9377		⁵ Property Name Dale H. Parke B Tract C			⁶ Well Number 13
⁷ OGRID No. 17985		⁸ Operator Name Premier Oil & Gas, Inc.			⁹ Elevation 3709'

¹⁰ Surface Location									
UL or lot no. H	Section 15	Township 17S	Range 30E	Lot Idn	Feet from the 2310	North/South line North	Feet from the 990	East/West line East	County Eddy

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: Date: 9/25/2014 Daniel Jones Printed Name dan.jones@premieroilgas.com E-mail Address	
NMSPC EZ 1927 Y = 667796.9 X = 616545.3 LAT. 32°50'07.02"N LONG. 103°57'14.02"W		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. January 08, 2002 Date of Survey Signature and Seal of Professional Surveyor: Ron J. Eidson 3239 Gary Eidson 12641 Certificate Number	



Job Number: SVMO-140613
 Company: Yates Petroleum Corporation
 Lease/Well: Southland Royalty APM State 2H
 Location: Eddy County, NM
 Rig Name: McVay #8
 RKB: 18'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.48°
 Grid: East To Grid North
 File name: S:\2014SU-1\YATES\MO\SROYAP-1\2H.SVY
 Date/Time: 13-May-14 / 16:42
 Curve Name: Surface - 7600' M.D. (Rate Gyro)

MS SURVEY

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane: 358.22

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 7600' MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 Josh Arias
 MS Energy Services
 5/13/14
 Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.26	154.06	100.00	-.20	.10	-.21	.23	154.06	.26
200.00	1.39	152.05	199.99	-1.48	.77	-1.50	1.67	152.60	1.13
300.00	1.62	147.00	299.95	-3.74	2.11	-3.80	4.29	150.60	.27
400.00	2.14	163.48	399.90	-6.71	3.41	-6.81	7.53	153.09	.75
500.00	1.60	200.30	499.85	-9.81	3.45	-9.91	10.40	160.61	1.29
600.00	1.84	231.61	599.81	-12.12	1.71	-12.17	12.24	171.97	.96
700.00	.80	241.32	699.78	-13.45	-.16	-13.44	13.45	180.69	1.06
800.00	.65	215.97	799.77	-14.24	-1.11	-14.20	14.29	184.44	.35
900.00	.53	201.23	899.77	-15.13	-1.61	-15.08	15.22	186.06	.19

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	.34	128.45	999.76	-15.75	-1.54	-15.69	15.83	185.59	.54
1100.00	.45	126.35	1099.76	-16.17	-.99	-16.13	16.20	183.52	.11
1200.00	.33	98.63	1199.76	-16.44	-.39	-16.42	16.45	181.37	.22
1300.00	.29	100.85	1299.76	-16.53	.14	-16.53	16.53	179.51	.04
1400.00	.82	110.05	1399.75	-16.83	1.06	-16.85	16.86	176.39	.54
1500.00	.47	340.44	1499.75	-16.69	1.60	-16.73	16.76	174.54	1.18
1600.00	.23	8.67	1599.75	-16.10	1.49	-16.14	16.17	174.72	.29
1700.00	.80	23.23	1699.74	-15.26	1.79	-15.31	15.37	173.29	.58
1800.00	.62	13.27	1799.74	-14.09	2.19	-14.15	14.26	171.15	.22
1900.00	.52	357.14	1899.73	-13.11	2.30	-13.18	13.31	170.07	.19
2000.00	.46	338.76	1999.73	-12.29	2.13	-12.35	12.47	170.17	.17
2100.00	.49	318.35	2099.72	-11.59	1.70	-11.64	11.72	171.67	.17
2200.00	1.20	308.89	2199.71	-10.61	.60	-10.63	10.63	176.77	.72
2300.00	1.37	314.87	2299.69	-9.11	-1.06	-9.08	9.18	186.65	.22
2400.00	1.34	325.40	2399.66	-7.31	-2.57	-7.22	7.75	199.41	.25
2500.00	1.07	323.30	2499.64	-5.60	-3.80	-5.48	6.76	214.15	.27
2600.00	1.08	326.07	2599.62	-4.07	-4.88	-3.91	6.35	230.20	.05
2700.00	1.12	319.93	2699.60	-2.54	-6.04	-2.35	6.55	247.20	.12
2800.00	1.19	328.43	2799.58	-.90	-7.21	-.68	7.26	262.85	.18
2900.00	1.38	325.79	2899.56	.98	-8.43	1.24	8.49	276.61	.20
3000.00	1.31	330.39	2999.53	2.97	-9.67	3.26	10.12	287.05	.13
3100.00	1.12	332.24	3099.51	4.82	-10.69	5.15	11.73	294.29	.19
3200.00	1.23	323.08	3199.48	6.55	-11.79	6.91	13.49	299.04	.22
3300.00	1.19	317.39	3299.46	8.17	-13.14	8.57	15.47	301.87	.13
3400.00	1.70	325.89	3399.43	10.16	-14.67	10.61	17.85	304.71	.55
3500.00	1.68	327.29	3499.39	12.62	-16.30	13.12	20.61	307.76	.05
3600.00	1.58	328.11	3599.35	15.03	-17.82	15.57	23.31	310.14	.10
3700.00	1.51	331.03	3699.31	17.35	-19.18	17.94	25.87	312.13	.11
3800.00	1.35	320.11	3799.28	19.41	-20.58	20.04	28.29	313.32	.32

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3900.00	1.06	313.67	3899.26	20.95	-22.00	21.62	30.38	313.60	.32
4000.00	1.35	323.65	3999.23	22.54	-23.37	23.25	32.47	313.96	.36
4100.00	1.47	336.07	4099.20	24.66	-24.59	25.41	34.82	315.08	.33
4200.00	1.17	331.93	4199.18	26.73	-25.59	27.51	37.01	316.25	.31
4300.00	1.03	313.84	4299.16	28.26	-26.72	29.07	38.89	316.60	.37
4400.00	.91	304.20	4399.15	29.32	-28.02	30.18	40.56	316.30	.20
4500.00	1.15	302.68	4499.13	30.31	-29.52	31.21	42.31	315.76	.24
4600.00	1.07	316.66	4599.11	31.53	-31.01	32.48	44.23	315.48	.28
4700.00	1.35	334.70	4699.09	33.28	-32.15	34.26	46.27	315.98	.47
4800.00	1.39	1.72	4799.06	35.55	-32.62	36.55	48.25	317.46	.64
4900.00	1.39	12.39	4899.03	37.95	-32.32	38.94	49.85	319.58	.26
5000.00	1.50	18.28	4999.00	40.38	-31.65	41.34	51.31	321.91	.18
5100.00	1.68	16.30	5098.96	43.03	-30.83	43.97	52.93	324.38	.19
5200.00	1.80	16.90	5198.92	45.94	-29.96	46.85	54.85	326.89	.12
5300.00	1.78	13.40	5298.87	48.95	-29.15	49.83	56.97	329.23	.11
5400.00	1.84	12.84	5398.82	52.03	-28.43	52.89	59.29	331.35	.06
5500.00	1.66	6.24	5498.77	55.03	-27.92	55.87	61.71	333.10	.27
5600.00	1.20	353.96	5598.74	57.51	-27.87	58.35	63.91	334.15	.55
5700.00	1.18	348.81	5698.72	59.57	-28.18	60.41	65.89	334.68	.11
5800.00	1.51	358.06	5798.69	61.89	-28.42	62.75	68.11	335.33	.39
5900.00	1.72	5.96	5898.65	64.70	-28.31	65.55	70.63	336.37	.31
6000.00	1.55	.76	5998.61	67.55	-28.14	68.39	73.17	337.38	.23
6100.00	1.52	3.06	6098.57	70.22	-28.05	71.06	75.62	338.23	.07
6200.00	1.81	1.68	6198.53	73.13	-27.93	73.96	78.28	339.09	.29
6300.00	2.34	.29	6298.47	76.75	-27.88	77.58	81.65	340.04	.53
6400.00	2.22	347.79	6398.39	80.68	-28.27	81.52	85.49	340.69	.51
6500.00	2.16	350.63	6498.31	84.43	-28.99	85.29	89.27	341.05	.12
6600.00	2.22	22.79	6598.24	88.08	-28.55	88.92	92.59	342.04	1.21
6700.00	1.98	27.88	6698.18	91.39	-26.99	92.19	95.29	343.55	.30

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6800.00	1.96	31.73	6798.12	94.37	-25.28	95.11	97.70	345.00	.13
6900.00	1.77	31.67	6898.06	97.14	-23.57	97.83	99.96	346.36	.19
7000.00	1.49	21.83	6998.02	99.66	-22.28	100.31	102.12	347.40	.39
7100.00	1.27	13.05	7098.00	101.95	-21.54	102.57	104.20	348.07	.30
7200.00	1.33	6.50	7197.97	104.18	-21.16	104.79	106.31	348.52	.16
7300.00	1.50	355.12	7297.94	106.64	-21.14	107.25	108.72	348.79	.33
7400.00	1.63	341.50	7397.90	109.29	-21.71	109.91	111.43	348.77	.39
7500.00	1.57	339.07	7497.86	111.92	-22.65	112.57	114.19	348.56	.09
Last Survey Depth Recorded									
7600.00	2.05	15.65	7597.82	114.92	-22.65	115.57	117.13	348.85	1.22