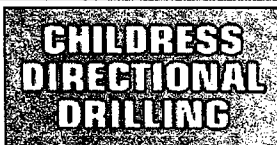


API# 30-015-41080

Customer: Lime Rock Energy	Rig: #22	SHL X:
Lease, Well No.: AID 24 State #24	Job No.: CD-13040	SHL Y:
County or Parrish: Eddy County	Location or Area: Artesia New Mexico	Mag.Decl.: 7.66



Calculated f/ Targets

KBTVD (@ 0' VS)

Dip Angle (+Dn/-Up)

Sensor

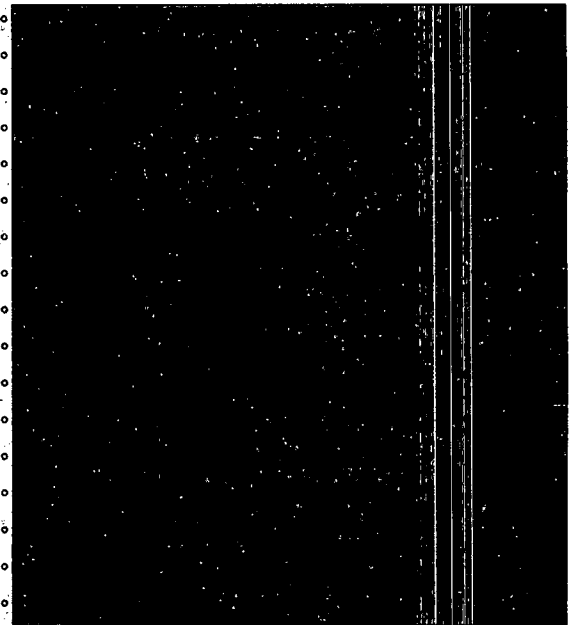
TVD

N/-S

E/-W

Tie-In Survey Co.: N/A						Minimum Curvature Calculations			Rates / 100' M.D.		Dist f/ Target Line		
Surveying Company: Childress Directional						Proposed Azimuth: 151.73°			Build or	R or -L	Course	Above or	Right or
Survey No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	V. SECT.	DLS / 100'	-Drop	-Turn	Length	-Below	-Left
Tie-In	0.00	0.00	0.00	0.00'	0.00'	0.00'	0.00'	0.00°					
1.	488.00	0.00	0.00	488.00'	0.00'	0.00'	0.00'	0.00°					
2.	557.00	0.30	212.60	557.00'	-0.15'	-0.10'	0.09'	0.43°					
3.	621.00	2.30	166.70	620.98'	-1.54'	0.11'	1.41'	3.28°					
4.	684.00	4.10	157.80	683.88'	-4.86'	1.25'	4.87'	2.96°					
5.	748.00	3.30	159.90	747.75'	-8.71'	2.75'	8.97'	1.27°					
6.	811.00	4.10	161.10	810.61'	-12.54'	4.10'	12.99'	1.28°					
7.	875.00	6.10	152.70	874.36'	-17.73'	6.40'	18.64'	3.33°					
8.	938.00	8.00	149.00	936.88'	-24.46'	10.19'	26.37'	3.10°					
9.	1002.00	9.40	147.60	1,000.14'	-32.69'	15.29'	36.03'	2.21°					
10.	1097.00	9.10	148.80	1,093.91'	-45.67'	23.34'	51.27'	0.38°					
11.	1192.00	8.40	150.40	1,187.80'	-58.13'	30.66'	65.71'	0.78°					
12.	1287.00	7.70	150.70	1,281.86'	-69.71'	37.20'	79.01'	0.74°					
13.	1382.00	6.90	152.20	1,376.09'	-80.31'	42.98'	91.08'	0.87°					
14.	1478.00	6.30	152.00	1,471.46'	-90.06'	48.14'	102.12'	0.63°					
15.	1572.00	4.40	146.70	1,565.04'	-97.63'	52.54'	110.87'	2.09°					
16.	1667.00	3.30	146.00	1,659.83'	-102.94'	56.07'	117.22'	1.16°					
17.	1763.00	2.00	158.00	1,755.72'	-106.79'	58.24'	121.63'	1.47°					
18.	1858.00	0.40	148.80	1,850.70'	-108.61'	59.03'	123.61'	1.69°					
19.	1953.00	0.50	184.00	1,945.70'	-109.30'	59.18'	124.29'	0.30°					
20.	2048.00	0.60	169.40	2,040.69'	-110.21'	59.24'	125.12'	0.18°					
21.	2143.00	0.50	314.40	2,135.69'	-110.41'	59.03'	125.20'	1.10°					
22.	2238.00	0.60	310.90	2,230.69'	-109.79'	58.36'	124.34'	0.11°					
23.	2334.00	0.40	298.60	2,326.68'	-109.30'	57.69'	123.59'	0.24°					
24.	2429.00	0.60	305.10	2,421.68'	-108.86'	56.99'	122.86'	0.22°					
25.	2524.00	0.50	277.80	2,516.67'	-108.51'	56.17'	122.18'	0.29°					
26.	2619.00	0.50	300.70	2,611.67'	-108.25'	55.41'	121.58'	0.21°					
27.	2714.00	0.70	277.70	2,706.67'	-107.96'	54.47'	120.88'	0.33°					
28.	2809.00	0.10	114.00	2,801.66'	-107.91'	53.97'	120.60'	0.84°					
29.	2904.00	0.40	83.90	2,896.66'	-107.91'	54.38'	120.80'	0.33°					
30.	2999.00	0.30	74.30	2,991.66'	-107.81'	54.95'	120.97'	0.12°					
31.	3095.00	0.40	67.10	3,087.66'	-107.61'	55.50'	121.06'	0.11°					
32.	3190.00	0.40	63.60	3,182.66'	-107.33'	56.10'	121.10'	0.03°					
33.	3285.00	0.50	52.30	3,277.65'	-106.93'	56.73'	121.05'	0.14°					
34.	3380.00	0.50	27.20	3,372.65'	-106.31'	57.25'	120.74'	0.23°					
35.	3475.00	0.50	6.10	3,467.65'	-105.53'	57.48'	120.17'	0.19°					
36.	3570.00	0.30	30.00	3,562.64'	-104.90'	57.65'	119.69'	0.27°					
37.	3665.00	0.40	358.50	3,657.64'	-104.35'	57.76'	119.27'	0.22°					
38.	3760.00	0.10	356.80	3,752.64'	-103.94'	57.75'	118.89'	0.32°					

39	3855.00	0.30	288.60	3,847.64'	-103.78'	57.51'	118.64'	0.29°
40	3951.00	0.40	259.00	3,943.64'	-103.76'	56.94'	118.35'	0.21°
41	4046.00	0.40	290.10	4,038.64'	-103.71'	56.31'	118.01'	0.23°
42	4141.00	0.40	281.30	4,133.64'	-103.53'	55.67'	117.55'	0.06°
43	4235.00	0.50	268.70	4,227.63'	-103.48'	54.94'	117.15'	0.15°
44	4330.00	0.50	261.70	4,322.63'	-103.55'	54.11'	116.82'	0.06°
45	4426.00	0.70	288.60	4,418.62'	-103.42'	53.14'	116.25'	0.35°
46	4521.00	0.30	137.60	4,513.62'	-103.42'	52.76'	116.07'	1.02°
47	4616.00	0.20	104.90	4,608.62'	-103.64'	53.09'	116.43'	0.18°
48	4711.00	0.40	174.70	4,703.62'	-104.02'	53.28'	116.84'	0.40°
49	4806.00	0.40	139.80	4,798.62'	-104.60'	53.52'	117.47'	0.25°
50	4901.00	0.40	164.50	4,893.62'	-105.17'	53.83'	118.12'	0.18°
51	4997.00	0.50	182.70	4,989.61'	-105.92'	53.90'	118.81'	0.18°
52	5092.00	0.60	150.20	5,084.61'	-106.76'	54.12'	119.66'	0.34°
53	5187.00	0.40	165.20	5,179.60'	-107.51'	54.46'	120.48'	0.25°
54	5328.00	0.40	167.60	5,320.60'	-108.47'	54.69'	121.43'	0.01°
Proj.	5375.00	0.40	167.60	5,367.60'	-108.79'	54.76'	121.75'	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 Lime Rock Resources; 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