

Results of Directional Survey

30-025-35196

OCEAN ENERGY INC
CARLISLE # 2

	MD	N/S	E/W	VD
	11361	13.66	237.25	11315
TOP PERFS/OH	11361	13.66	237.25	11315.00
	11371	15.31	242.92	11323.00
	13089	15.38	1944.50	11347.80
BOT PERFS/OH	13125	14.87	1980.39	11345.66
	13125	14.87	1980.39	11345.66

NEXT TO LAST	13057	15.83	1912.60	11349.70
LAST READING	13089	15.38	1944.50	11347.80
TD	13125	14.87	1980.39	11345.66

Surface Location	2260	FS	330	FW
Projected BHL	2275	FS	2310	FW
Location of				
Top Perfs/OH	2274	FS	567	FW
Bottom Perfs/OH	2275	FS	2310	FW

SUMMARY of Subsurface Locations

Surface Location	L-10-16S-35E	2260	FS	330	FW	Vert. Depth
Top Perfs/OH	L-10-16S-35E	2274	FS	567	FW	11315.00
Bottom Perfs/OH	K-10-16S-35E	2275	FS	2310	FW	11345.66
Projected TD	K-10-16S-35E	2275	FS	2310	FW	11345.66

Perforations are within the required stand-off as required by
Proration unit with Unit Letters KL



LOCATION

CARLISLE #2 Unit L

LEASE & WELL

SECTION 10, T16S, R35E

(Give Unit, Section, Township and Range)

2260'S & 3306W30-025-35126

OPERATOR

OCEAN ENERGY, INC. 1001 FANNIN ST., STE. 1600 HOUSTON, TX 77002-67

DRILLING CONTRACTOR

NABORS DRILLING USA, INC.

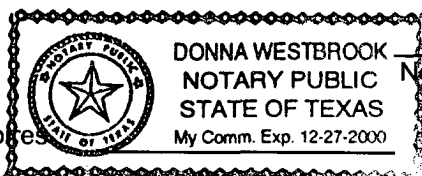
The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
3/4 224	1/2 7685		
1/4 1040	1 1/4 8164		
3/4 1540			
3/4 2035			
3/4 2535			
1 2913			
1 1/4 3404			
3/4 3904			
3/4 4404			
1 1/4 4900			
1/2 5396			
1 5904			
3/4 6382			
1/2 6703			
1/2 7203			

Drilling Contractor

Nabors Drilling USA, Inc.

By

Brent Sanders
Brent Sanders, Manager-Contracts & MarketingSubscribed and sworn to before me this 26 day of December 2000

My Commision Expires

Notary Public

MIDLAND

County

TEXAS

Directional Survey Report

Ocean Energy, Inc

Well ID: Carlisle #2H

Well Name: Carlisle #2H

Well Bore: Original Well Bore

Plane of Vertical Section: N 90.0 E

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Closure	Vertical Section	Dog Leg Severity
** TiIn	0.0	0.00	N 0.0 E	0.0					
MMS	224.0	0.75	N 0.0 E	224.0	N 1.47		1.5	0.0	0.335
MMS	541.0	0.75	N 0.0 E	541.0	N 5.62		5.6	0.0	0.000
MMS	1090.0	0.25	N 0.0 E	1089.9	N 10.41		10.4	0.0	0.091
MMS	1540.0	0.75	N 0.0 E	1539.9	N 14.33		14.3	0.0	0.111
MMS	2023.0	0.75	N 0.0 E	2022.9	N 20.66		20.7	0.0	0.000
MMS	2535.0	0.75	N 0.0 E	2534.8	N 27.36		27.4	0.0	0.000
MMS	2910.0	1.00	N 0.0 E	2909.8	N 33.08		33.1	0.0	0.067
MMS	3404.0	1.25	N 0.0 E	3403.7	N 42.78		42.8	0.0	0.051
MMS	3904.0	0.75	N 0.0 E	3903.6	N 51.51		51.5	0.0	0.100
MMS	4404.0	0.75	N 0.0 E	4403.6	N 58.05		58.1	0.0	0.000
MMS	4850.0	1.75	N 0.0 E	4849.5	N 67.78		67.8	0.0	0.224
MMS	5396.0	0.50	N 0.0 E	5395.4	N 78.50		78.5	0.0	0.229
MMS	5904.0	1.00	N 0.0 E	5903.3	N 85.15		85.2	0.0	0.098
MMS	6382.0	0.75	N 0.0 E	6381.2	N 92.45		92.5	0.0	0.052
MMS	6703.0	0.75	N 0.0 E	6702.2	N 96.65		96.7	0.0	0.000
MMS	7203.0	0.50	N 0.0 E	7202.2	N 102.11		102.1	0.0	0.050
MMS	7685.0	0.50	N 0.0 E	7684.2	N 106.31		106.3	0.0	0.000
MMS	8164.0	1.25	N 0.0 E	8163.1	N 113.63		113.6	0.0	0.157
** TiIn	8400.0	0.92	N 83.6 E	8399.4	S 29.48	W 5.50	116.4	-5.5	
MSS	8604.0	0.25	S 80.0 E	8603.4	S 29.37	W 3.43	29.6	3.4	0.335
MSS	9115.0	1.00	S 63.0 E	9114.4	S 31.59	E 1.64	31.6	1.6	0.150
MSS	9590.0	2.10	S 51.0 E	9589.2	S 38.95	E 12.09	40.8	12.1	0.240
MSS	10075.0	1.80	S 63.0 E	10073.9	S 48.00	E 25.79	54.5	25.8	0.104
** TiIn	10273.0	1.30	S 34.1 E	10271.9	S 48.80	E 27.40	59.1	27.4	
MWD	10461.0	1.80	S 13.4 E	10459.8	S 53.44	E 29.28	60.9	29.3	0.395
MWD	10570.0	3.20	S 19.2 W	10568.7	S 57.98	E 28.68	64.7	28.7	1.782
MWD	10601.0	2.80	S 22.7 W	10599.6	S 59.49	E 28.10	65.8	28.1	1.419
MWD	10633.0	0.80	S 33.1 E	10631.6	S 60.40	E 27.92	66.5	27.9	7.630
MWD	10664.0	3.00	N 75.5 E	10662.6	S 60.38	E 28.82	66.9	28.8	9.186

Directional Survey Report

Ocean Energy, Inc

Well ID: Carlisle #2H

Well Name: Carlisle #2H

Well Bore: Original Well Bore

Plane of Vertical Section: N 90.0 E

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
MWD	10695.0	5.40	N 72.6 E	10693.5	S 59.74	E 31.00	67.3	31.0	7.770
MWD	10727.0	7.00	N 73.2 E	10725.3	S 58.73	E 34.30	68.0	34.3	5.004
MWD	10757.0	8.10	N 72.0 E	10755.1	S 57.54	E 38.06	69.0	38.1	3.704
MWD	10789.0	9.40	N 72.2 E	10786.7	S 56.05	E 42.70	70.5	42.7	4.064
MWD	10821.0	10.50	N 73.0 E	10818.2	S 54.40	E 47.97	72.5	48.0	3.464
MWD	10851.0	11.60	N 72.2 E	10847.7	S 52.68	E 53.46	75.1	53.5	3.702
MWD	10882.0	12.90	N 71.3 E	10878.0	S 50.61	E 59.71	78.3	59.7	4.238
MWD	10912.0	14.60	N 70.1 E	10907.1	S 48.25	E 66.43	82.1	66.4	5.746
MWD	10944.0	15.70	N 70.3 E	10938.0	S 45.42	E 74.30	87.1	74.3	3.441
MWD	10975.0	17.00	N 68.5 E	10967.7	S 42.35	E 82.47	92.7	82.5	4.500
MWD	11005.0	17.80	N 68.2 E	10996.4	S 39.04	E 90.81	98.8	90.8	2.683
MWD	11037.0	18.40	N 69.1 E	11026.8	S 35.42	E 100.07	106.1	100.1	2.069
MWD	11069.0	19.60	N 70.0 E	11057.0	S 31.78	E 109.83	114.3	109.8	3.860
MWD	11099.0	21.30	N 68.4 E	11085.1	S 28.05	E 119.62	122.9	119.6	5.965
MWD	11131.0	22.80	N 66.6 E	11114.8	S 23.45	E 130.72	132.8	130.7	5.141
MWD	11161.0	24.40	N 65.3 E	11142.3	S 18.55	E 141.68	142.9	141.7	5.608
MWD	11186.0	25.80	N 65.6 E	11164.9	S 14.15	E 151.33	152.0	151.3	5.623
MWD	11217.0	28.40	N 66.4 E	11192.5	S 8.41	E 164.23	164.4	164.2	8.469
MWD	11249.0	31.70	N 67.0 E	11220.2	S 2.07	E 178.95	179.0	178.9	10.355
MWD	11279.0	33.70	N 68.6 E	11245.5	N 4.04	E 193.95	194.0	194.0	7.262
MWD	11311.0	33.60	N 70.0 E	11272.1	N 10.31	E 210.54	210.8	210.5	2.479
MWD	11343.0	33.00	N 70.8 E	11298.8	N 16.20	E 227.09	227.7	227.1	2.304
** Tieln	11360.0	33.03	N 71.0 E	11314.0	N 13.54	E 236.89	236.6	236.9	0.000
MWD	11360.7	33.03	N 71.0 E	11314.6	N 13.66	E 237.25	237.6	237.3	48.524
MWD	11371.0	37.00	N 76.3 E	11323.0	N 15.31	E 242.92	243.4	242.9	
MWD	11387.0	43.50	N 79.7 E	11335.2	N 17.44	E 253.03	253.6	253.0	42.870
MWD	11402.0	52.20	N 83.3 E	11345.3	N 19.06	E 264.02	264.7	264.0	60.650
MWD	11419.0	62.10	N 86.2 E	11354.5	N 20.34	E 278.22	279.0	278.2	59.963
MWD	11434.0	71.20	N 87.8 E	11360.4	N 21.06	E 291.96	292.7	292.0	61.449
MWD	11450.0	80.60	N 88.6 E	11364.3	N 21.54	E 307.45	308.2	307.4	58.949

Directional Survey Report

Ocean Energy, Inc

Well ID: Carlisle #2H

Well Name: Carlisle #2H

Well Bore: Original Well Bore

Plane of Vertical Section: N 90.0 E

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
MWD	11465.0	89.20	N 88.4 E	11365.7	N 21.93	E 322.37	323.1	322.4	57.349
MWD	11481.0	93.70	N 88.3 E	11365.3	N 22.39	E 338.36	339.1	338.4	28.132
MWD	11513.0	94.10	N 89.1 E	11363.1	N 23.12	E 370.27	371.0	370.3	2.790
MWD	11544.0	93.80	N 88.8 E	11360.9	N 23.68	E 401.19	401.9	401.2	1.367
MWD	11576.0	93.40	N 88.5 E	11358.9	N 24.44	E 433.12	433.8	433.1	1.561
MWD	11607.0	93.30	S 89.8 E	11357.1	N 24.79	E 464.07	464.7	464.1	5.484
MWD	11639.0	93.80	S 89.5 E	11355.1	N 24.59	E 496.00	496.6	496.0	1.821
MWD	11671.0	93.40	S 88.4 E	11353.1	N 24.01	E 527.93	528.5	527.9	3.651
MWD	11702.0	93.40	S 88.6 E	11351.3	N 23.20	E 558.87	559.4	558.9	0.644
MWD	11733.0	90.10	S 88.5 E	11350.4	N 22.41	E 589.84	590.3	589.8	10.650
MWD	11765.0	89.80	S 88.9 E	11350.4	N 21.69	E 621.83	622.2	621.8	1.562
MWD	11796.0	90.10	S 89.6 E	11350.4	N 21.28	E 652.83	653.2	652.8	2.457
MWD	11828.0	89.10	N 89.8 E	11350.6	N 21.23	E 684.83	685.2	684.8	3.644
MWD	11860.0	88.10	N 89.8 E	11351.4	N 21.34	E 716.82	717.1	716.8	3.125
MWD	11892.0	85.70	N 89.6 E	11353.1	N 21.50	E 748.77	749.1	748.8	7.526
MWD	11924.0	84.50	N 89.1 E	11355.9	N 21.87	E 780.65	781.0	780.6	4.060
MWD	11955.0	84.20	N 89.1 E	11358.9	N 22.35	E 811.49	811.8	811.5	0.968
MWD	11987.0	86.10	S 89.8 E	11361.6	N 22.54	E 843.38	843.7	843.4	6.855
MWD	12018.0	87.40	S 89.5 E	11363.4	N 22.36	E 874.33	874.6	874.3	4.303
MSS	12050.0	87.50	N 89.7 E	11364.8	N 22.30	E 906.29	906.6	906.3	2.517
MWD	12082.0	90.10	S 88.3 E	11365.5	N 21.91	E 938.28	938.5	938.3	10.250
MWD	12114.0	90.90	S 88.2 E	11365.2	N 20.93	E 970.26	970.5	970.3	2.519
MWD	12146.0	90.50	S 88.2 E	11364.8	N 19.93	E 1002.2	1002.4	1002.2	1.250
MWD	12159.0	89.80	S 87.9 E	11364.8	N 19.48	E 1015.2	1015.4	1015.2	5.858
MWD	12178.0	89.90	S 88.3 E	11364.8	N 18.85	E 1034.2	1034.4	1034.2	2.170
MWD	12209.0	90.60	S 88.3 E	11364.7	N 17.93	E 1065.2	1065.4	1065.2	2.258
MWD	12240.0	88.90	S 89.2 E	11364.8	N 17.26	E 1096.2	1096.3	1096.2	6.205
MWD	12272.0	88.00	S 89.7 E	11365.7	N 16.95	E 1128.1	1128.3	1128.2	3.217
MWD	12303.0	87.90	S 89.4 E	11366.8	N 16.71	E 1159.1	1159.3	1159.2	1.019
MWD	12335.0	89.80	S 89.3 E	11367.4	N 16.34	E 1191.1	1191.3	1191.2	5.946

Directional Survey Report

Ocean Energy, Inc

Well ID: Carlisle #2H

Well Name: Carlisle #2H

Well Bore: Original Well Bore

Plane of Vertical Section: N 90.0 E

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
MWD	12367.0	91.10	S 89.4 E	11367.2	N 15.98	E 1223.1	1223.3	1223.2	4.074
MWD	12398.0	90.60	N 89.8 E	11366.7	N 15.87	E 1254.1	1254.3	1254.2	3.043
MWD	12429.0	88.90	N 88.8 E	11366.9	N 16.25	E 1285.1	1285.3	1285.1	6.362
MWD	12460.0	87.50	N 88.7 E	11367.8	N 16.93	E 1316.1	1316.2	1316.1	4.528
MWD	12492.0	88.20	N 89.5 E	11369.0	N 17.43	E 1348.1	1348.2	1348.1	3.321
MWD	12523.0	89.50	S 89.9 E	11369.7	N 17.54	E 1379.0	1379.2	1379.1	4.618
MWD	12555.0	91.70	N 90.0 E	11369.3	N 17.51	E 1411.0	1411.2	1411.1	6.882
MWD	12586.0	91.00	N 89.5 E	11368.6	N 17.65	E 1442.0	1442.2	1442.1	2.775
MWD	12617.0	91.50	N 89.4 E	11367.9	N 17.94	E 1473.0	1473.2	1473.1	1.645
MWD	12648.0	92.30	N 89.7 E	11366.9	N 18.19	E 1504.0	1504.2	1504.0	2.756
MWD	12680.0	93.10	N 89.9 E	11365.4	N 18.30	E 1536.0	1536.1	1536.0	2.577
MWD	12711.0	92.70	S 89.7 E	11363.8	N 18.24	E 1566.9	1567.1	1567.0	1.824
MWD	12743.0	92.60	S 89.7 E	11362.3	N 18.08	E 1598.9	1599.0	1598.9	0.312
MWD	12775.0	92.20	S 89.8 E	11361.0	N 17.94	E 1630.9	1631.0	1630.9	1.288
MWD	12806.0	91.00	S 88.6 E	11360.1	N 17.50	E 1661.8	1662.0	1661.9	5.473
MWD	12838.0	90.30	S 89.4 E	11359.8	N 16.95	E 1693.8	1694.0	1693.9	3.322
MWD	12869.0	91.60	S 89.7 E	11359.3	N 16.70	E 1724.8	1725.0	1724.9	4.304
MWD	12900.0	92.80	S 89.9 E	11358.1	N 16.59	E 1755.8	1755.9	1755.9	3.924
MWD	12931.0	93.20	S 89.9 E	11356.4	N 16.54	E 1786.8	1786.9	1786.8	1.290
MWD	12994.0	93.00	S 89.7 E	11353.0	N 16.32	E 1849.7	1849.8	1849.7	0.449
MWD	13026.0	92.70	S 89.7 E	11351.4	N 16.15	E 1881.6	1881.8	1881.7	0.938
MWD	13057.0	93.70	S 89.1 E	11349.7	N 15.83	E 1912.6	1912.7	1912.6	3.760
MWD	13089.0	93.20	S 89.3 E	11347.8	N 15.38	E 1944.5	1944.6	1944.6	1.682

Calculations using Minimum Curvature Method

Printed: 8:34 08-Jan-01

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Survey Report

Page 1 of 2

ATTN: Wiley K. AK

MIN. CURVATURE CALCULATIONS (BPE-3302)

OPERATOR: OCEAN ENERGY INC.
WELL: CARLISLE #2H
LOCATION: LEA COUNTY, NEW MEXICO

START: 12/3/00
FINISH:
JOB #: 102340

PROPOSED DIRECTION: 90.00
MAGNETIC TO GRID: 8.16

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100	TEMP
Gyro Tie In	8400	0.92	83.57	8399.43	-29.48	-5.50	-5.5	0.0	
Mwd 1	8570	0.9	102.0	8569.4	-29.6	-2.8	-2.8	0.2	
2	8761	1.0	103.9	8780.4	-30.3	0.2	0.2	0.1	
3	8953	0.9	103.4	8952.4	-31.1	3.3	3.3	0.1	
4	9143	1.1	111.6	9142.3	-32.1	6.5	6.5	0.1	
5	9332	1.6	129.8	9331.3	-34.4	10.2	10.2	0.3	
6	9520	1.5	128.2	9519.2	-37.6	14.2	14.2	0.1	
7	9706	1.4	127.8	9705.1	-40.5	17.9	17.9	0.1	
8	9895	1.2	134.1	9894.1	-43.3	21.1	21.1	0.1	
9	10084	1.3	122.2	10083.1	-45.9	24.3	24.3	0.1	
10	10273	1.3	145.9	10272.0	-48.8	27.4	27.4	0.3	
11	10461	1.8	166.8	10459.9	-53.4	29.2	29.2	0.4	
12	10570	3.2	199.2	10568.8	-58.0	28.6	28.6	1.8	
13	10601	2.8	202.7	10599.8	-59.5	28.0	28.0	1.4	
14	10633	0.8	146.9	10631.8	-60.4	27.9	27.9	7.6	
15	10664	3.0	75.5	10662.8	-60.4	28.8	28.8	9.2	
16	10695	5.4	72.6	10693.7	-59.7	30.9	30.9	7.8	
17	10727	7.0	73.2	10725.5	-58.7	34.2	34.2	5.0	
18	10757	8.1	72.0	10755.2	-57.5	38.0	38.0	3.7	
19	10789	9.4	72.2	10786.9	-56.0	42.6	42.6	4.1	
20	10821	10.5	73.0	10818.4	-54.4	47.9	47.9	3.5	
21	10851	11.6	72.2	10847.8	-52.7	53.4	53.4	3.7	
22	10882	12.9	71.3	10878.1	-50.6	59.6	59.6	4.2	
23	10912	14.6	70.1	10907.2	-48.2	66.4	66.4	5.7	
24	10944	15.7	70.3	10938.1	-45.4	74.2	74.2	3.4	
25	10975	17.0	68.5	10967.9	-42.3	82.4	82.4	4.5	
26	11005	17.8	68.2	10996.5	-39.0	90.7	90.7	2.7	
27	11037	18.4	69.1	11026.9	-35.4	100.0	100.0	2.1	
28	11069	19.6	70.0	11057.2	-31.8	109.8	109.8	3.9	
29	11099	21.3	68.4	11085.3	-28.0	119.6	119.6	6.0	
30	11131	22.8	66.6	11114.9	-23.4	130.7	130.7	5.1	

BHI DIRECTIONAL DRILLERS: NICK FREDRICK AND MARK STAIRES



Survey Report

Page 2 of 2

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: OCEAN ENERGY INC.
 WELL: CARLISLE #2H
 LOCATION: LEA COUNTY, NEW MEXICO

START: 12/3/00
 FINISH:
 JOB #: 102340

PROPOSED DIRECTION: 90.00

MAGNETIC TO GRID: 8.16

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100	TEMP
31	11161	24.4	65.3	11142.4	-18.5	141.6	141.6	5.6	
32	11188	25.8	65.6	11165.1	-14.1	151.3	151.3	5.6	
33	11217	28.4	66.4	11192.7	-8.4	164.2	164.2	8.5	
34	11249	31.7	67.0	11220.4	-2.1	178.9	178.9	10.4	
35	11279	33.7	68.6	11245.6	4.1	193.9	193.9	7.3	
36	11311	33.6	70.2	11272.3	10.3	210.5	210.5	2.8	
37	11343	33.0	70.8	11298.0	16.2	227.1	227.1	2.1	
38	11405	33.1	71.5	11351.0	27.1	259.1	259.1	0.6	
39	11467	33.6	71.5	11402.8	37.9	291.4	291.4	0.8	
TD	11564	33.6	71.5	11500.2	58.5	352.8	352.8	0.0	

Projection



BHI DIRECTIONAL DRILLERS: NICK FREDRICK AND MARK STAIRES