

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF079960
2. Name of Operator HILCORP ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 382 ROAD 3100 AZTEC, NM 87410		7. If Unit or CA Agreement, Name and or No.
3b. Phone No. (include area code) Ph: 505-324-5188		8. Well Name and No. LAWSON 2E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T32N R11W Mer NMP SWSE 1000FSL 1790FEL		9. API Well No. 30-045-24022
		10. Field and Pool or Exploratory Area BASIN DAKOTA
		11. County or Parish, State SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Through file review, it was determined that a gyro survey was never ran to determine the correct BHL. Attached please find the gyro survey ran on 7/11/2019. Please update records to reflect this well as a directional well with the following BHL: Unit Letter O, Sec 31, T32N, R11W, 1175' FSL & 2036' FEL.

NMOCD

JUL 30 2019

DISTRICT III

provide Lat & Long for BHL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #473008 verified by the BLM Well Information System For HILCORP ENERGY COMPANY, sent to the Farmington	
Name (Printed Typed) PRISCILLA SHORTY	Title OPERATIONS REGULATORY TECH
Signature (Electronic Submission)	Date 07/11/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED FOR RECORD	
Approved By _____	Title _____ Date JUL 24 2019
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FARMINGTON FIELD OFFICE BY: _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

(Instructions on page 2)

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

NMOCD

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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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural
Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102

August 1, 2011

Permit 263616

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-24022	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318605	5. Property Name LAWSON	6. Well No. 002E
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6420

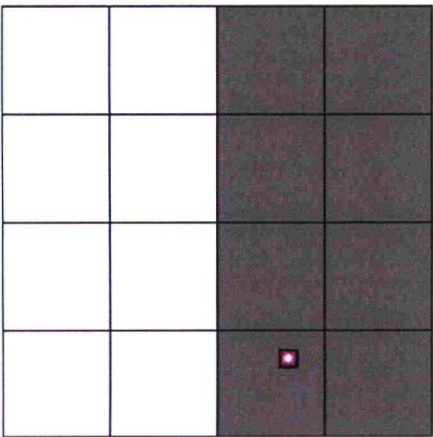
10. Surface Location

UL - Lot O	Section 31	Township 32N	Range 11W	Lot Idn	Feet From 1000	N/S Line S	Feet From 1790	E/W Line E	County SAN JUAN
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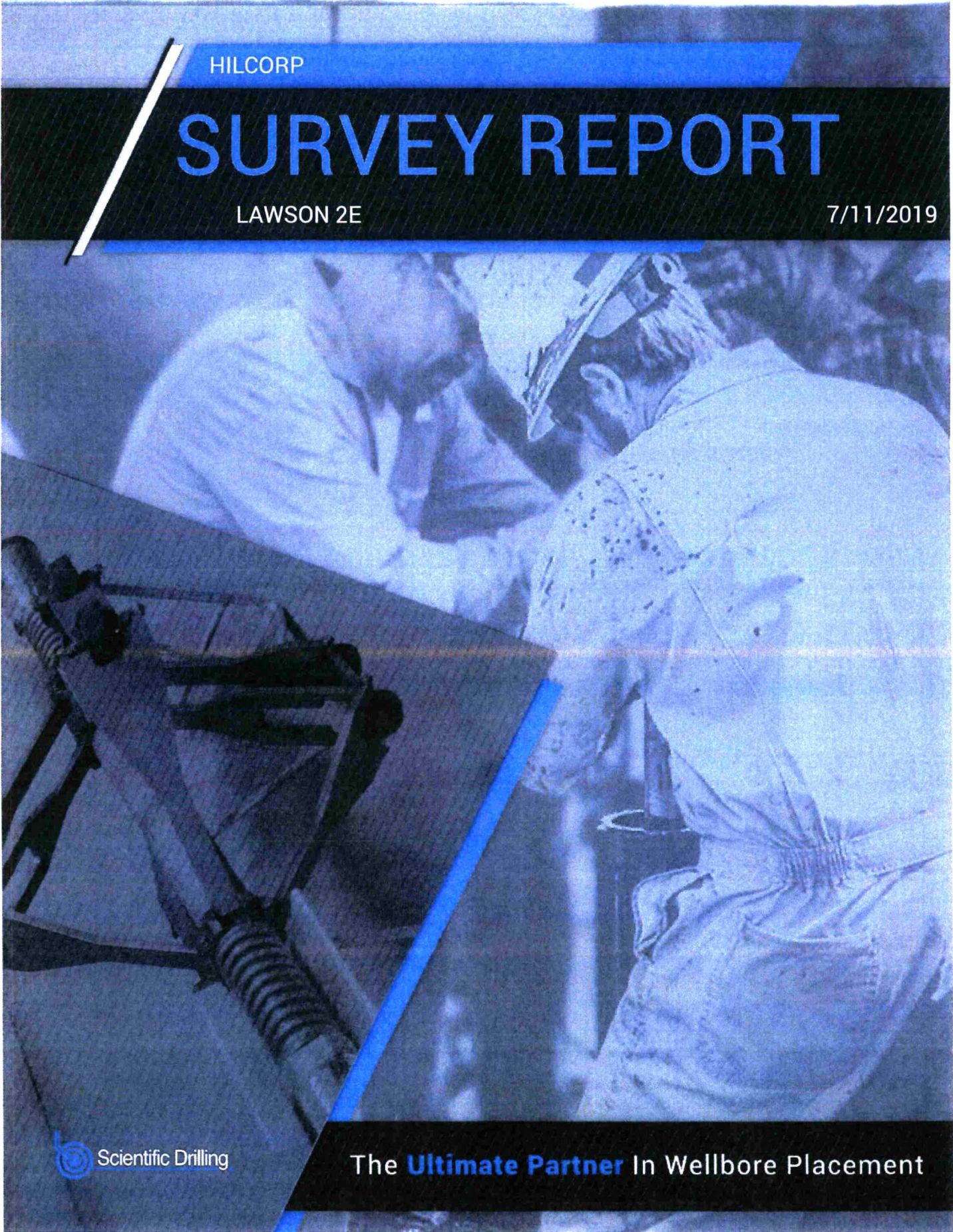
11. Bottom Hole Location If Different From Surface

UL - Lot O	Section 31	Township 32N	Range 11W	Lot Idn	Feet From 1175	N/S Line S	Feet From 2306	E/W Line E	County SAN JUAN
12. Dedicated Acres 320.00	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

	OPERATOR CERTIFICATION <i>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(s) 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.</i> E-Signed By: <i>Priscilla Shorty</i> Title: Operations Regulatory Technician - Sr. Date: 02/12/2019 SURVEYOR CERTIFICATION <i>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.</i> Surveyed By: Fred Kerr Date of Survey: 10/10/1979 Certificate Number: 3950
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NMOC**JUL 18 2019****DISTRICT III**

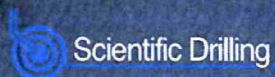


HILCORP

SURVEY REPORT

LAWSON 2E

7/11/2019



The **Ultimate Partner** In Wellbore Placement

MD ft	INC deg	AZIM deg	TVL ft	RI %	IN/S ft	FEAR ft	SLS ft	CLOSURE DIS ft	DIS ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
25.00	0.01	152.91	25.00	0.00	0.00	0.00	0.04	0.00	152.91
50.00	0.02	152.91	50.00	-0.01	-0.01	0.00	0.04	0.01	152.91
75.00	0.03	152.91	75.00	-0.02	-0.02	0.01	0.04	0.02	152.91
100.00	0.04	152.91	100.00	-0.03	-0.03	0.02	0.04	0.03	152.91
125.00	0.05	152.91	125.00	-0.05	-0.05	0.02	0.04	0.05	152.91
150.00	0.23	183.15	150.00	-0.08	-0.11	0.03	0.74	0.11	166.10
175.00	0.18	181.07	175.00	-0.13	-0.19	0.02	0.19	0.20	173.33
200.00	0.22	163.15	200.00	-0.19	-0.28	0.04	0.29	0.28	172.71
225.00	0.34	154.29	225.00	-0.29	-0.39	0.08	0.54	0.40	168.18
250.00	0.50	147.54	250.00	-0.46	-0.55	0.17	0.64	0.58	162.60
275.00	0.54	137.47	275.00	-0.68	-0.73	0.31	0.41	0.79	156.94
300.00	0.53	136.79	300.00	-0.90	-0.90	0.47	0.04	1.02	152.46
325.00	0.61	142.07	325.00	-1.15	-1.09	0.63	0.39	1.26	149.93
350.00	0.59	146.65	349.99	-1.39	-1.30	0.78	0.22	1.52	148.97
375.00	0.58	147.15	374.99	-1.63	-1.52	0.92	0.03	1.78	148.67
400.00	0.68	148.95	399.99	-1.89	-1.75	1.07	0.40	2.05	148.60
425.00	0.77	150.76	424.99	-2.17	-2.02	1.23	0.35	2.37	148.77
450.00	0.69	150.85	449.99	-2.46	-2.30	1.38	0.31	2.68	149.01
475.00	0.62	148.24	474.99	-2.72	-2.55	1.53	0.31	2.97	149.07
500.00	0.56	149.56	499.98	-2.96	-2.77	1.66	0.22	3.23	149.05
525.00	0.44	150.62	524.98	-3.15	-2.96	1.77	0.50	3.45	149.12
550.00	0.42	140.73	549.98	-3.33	-3.11	1.87	0.31	3.63	148.95
575.00	0.41	125.96	574.98	-3.51	-3.23	2.00	0.43	3.80	148.23
600.00	0.49	127.06	599.98	-3.70	-3.35	2.16	0.32	3.99	147.19
625.00	0.39	118.40	624.98	-3.89	-3.46	2.32	0.47	4.16	146.12
650.00	0.31	115.87	649.98	-4.04	-3.52	2.45	0.34	4.30	145.14
675.00	0.31	126.60	674.98	-4.18	-3.59	2.57	0.23	4.42	144.44
700.00	0.44	138.87	699.98	-4.34	-3.71	2.69	0.61	4.58	144.07
725.00	0.40	122.20	724.98	-4.52	-3.83	2.82	0.51	4.75	143.57
750.00	0.35	104.69	749.98	-4.68	-3.89	2.97	0.51	4.90	142.64
775.00	0.34	112.59	774.98	-4.82	-3.94	3.11	0.19	5.02	141.69

MD	INC	GRM	TD	VS	HW	HEW	DLS	CLOSURE DIST	CLOSURE DIST
1600.00	0.43	258.73	1599.95	-3.55	-4.17	1.39	0.20	4.40	161.64
1625.00	0.41	260.92	1624.95	-3.42	-4.21	1.20	0.10	4.38	164.04
1650.00	0.46	251.16	1649.95	-3.30	-4.25	1.02	0.35	4.37	166.52
1675.00	0.48	245.88	1674.95	-3.19	-4.33	0.83	0.18	4.41	169.14
1700.00	0.48	242.17	1699.95	-3.08	-4.42	0.64	0.13	4.47	171.74
1725.00	0.55	232.54	1724.95	-3.00	-4.54	0.45	0.43	4.57	174.30
1750.00	0.62	223.34	1749.95	-2.95	-4.71	0.27	0.48	4.72	176.77
1775.00	0.71	222.31	1774.95	-2.91	-4.93	0.07	0.34	4.93	179.20
1800.00	0.83	225.33	1799.94	-2.86	-5.17	-0.16	0.52	5.17	181.81
1825.00	0.99	223.10	1824.94	-2.80	-5.45	-0.44	0.67	5.47	184.62
1850.00	1.12	218.05	1849.94	-2.76	-5.80	-0.74	0.62	5.85	187.25
1875.00	1.13	216.83	1874.93	-2.74	-6.19	-1.04	0.11	6.28	189.51
1900.00	1.05	217.87	1899.93	-2.73	-6.57	-1.33	0.34	6.70	191.40
1925.00	1.02	218.89	1924.92	-2.70	-6.93	-1.61	0.13	7.11	193.06
1950.00	0.97	228.69	1949.92	-2.64	-7.24	-1.91	0.71	7.49	194.75
1975.00	1.00	243.37	1974.92	-2.49	-7.48	-2.26	1.02	7.81	196.82
2000.00	1.12	256.54	1999.91	-2.23	-7.63	-2.69	1.07	8.09	199.44
2025.00	1.24	260.17	2024.91	-1.88	-7.74	-3.20	0.58	8.37	202.45
2050.00	1.35	257.17	2049.90	-1.49	-7.85	-3.75	0.53	8.70	205.55
2075.00	1.45	253.59	2074.89	-1.10	-8.00	-4.34	0.53	9.10	208.48
2100.00	1.43	250.46	2099.88	-0.72	-8.20	-4.94	0.32	9.57	211.08
2125.00	1.30	252.97	2124.88	-0.37	-8.38	-5.51	0.57	10.03	213.30
2150.00	1.15	257.15	2149.87	-0.03	-8.52	-6.02	0.73	10.44	215.25
2175.00	1.03	260.73	2174.87	0.30	-8.61	-6.49	0.55	10.78	216.99
2200.00	1.01	266.73	2199.86	0.63	-8.66	-6.93	0.43	11.09	218.66
2225.00	1.08	273.09	2224.86	1.00	-8.66	-7.39	0.54	11.38	220.45
2250.00	1.14	270.98	2249.85	1.40	-8.65	-7.87	0.28	11.69	222.31
2275.00	1.13	266.42	2274.85	1.80	-8.66	-8.36	0.36	12.04	224.01
2300.00	1.05	266.90	2299.84	2.17	-8.69	-8.84	0.31	12.39	225.50
2325.00	0.82	260.91	2324.84	2.48	-8.73	-9.24	1.00	12.71	226.65
2350.00	0.72	249.72	2349.84	2.69	-8.81	-9.57	0.72	13.01	227.37
2375.00	0.74	249.42	2374.84	2.87	-8.92	-9.87	0.07	13.30	227.88

MD	INC	AZIM	TVL	GRS	IN/S	IE/W	DLG	CLOSURE DIST	CLOSURE IN
ft	deg	deg	ft	ft	ft	ft	ft	ft	ft
3200.00	1.03	308.81	3199.76	12.65	-6.04	-19.82	0.18	20.72	253.05
3225.00	1.07	313.45	3224.75	13.11	-5.74	-20.16	0.38	20.96	254.11
3250.00	1.07	311.68	3249.75	13.57	-5.42	-20.51	0.13	21.21	255.19
3275.00	1.05	313.40	3274.75	14.03	-5.11	-20.85	0.17	21.46	256.23
3300.00	1.02	311.18	3299.74	14.48	-4.81	-21.18	0.19	21.72	257.21
3325.00	0.91	308.00	3324.74	14.90	-4.54	-21.50	0.48	21.98	258.09
3350.00	0.86	308.97	3349.74	15.28	-4.30	-21.81	0.21	22.23	258.85
3375.00	0.87	304.10	3374.73	15.66	-4.07	-22.11	0.30	22.48	259.57
3400.00	0.78	307.85	3399.73	16.02	-3.86	-22.40	0.44	22.73	260.22
3425.00	0.83	306.60	3424.73	16.37	-3.65	-22.68	0.24	22.97	260.86
3450.00	0.79	300.14	3449.73	16.72	-3.45	-22.98	0.41	23.23	261.45
3475.00	0.76	304.30	3474.72	17.06	-3.27	-23.26	0.25	23.49	261.99
3500.00	0.80	304.35	3499.72	17.40	-3.08	-23.54	0.16	23.74	262.54
3525.00	0.71	312.46	3524.72	17.73	-2.88	-23.80	0.56	23.97	263.10
3550.00	0.71	311.16	3549.72	18.04	-2.67	-24.03	0.07	24.18	263.65
3575.00	0.70	302.25	3574.71	18.34	-2.49	-24.28	0.44	24.40	264.14
3600.00	0.75	311.63	3599.71	18.66	-2.30	-24.53	0.52	24.63	264.64
3625.00	0.79	307.09	3624.71	18.99	-2.09	-24.79	0.29	24.87	265.19
3650.00	0.71	308.42	3649.71	19.32	-1.89	-25.05	0.31	25.12	265.69
3675.00	0.74	310.08	3674.71	19.64	-1.69	-25.29	0.15	25.35	266.19
3700.00	0.70	298.43	3699.70	19.95	-1.51	-25.55	0.61	25.60	266.62
3725.00	0.67	296.83	3724.70	20.25	-1.37	-25.82	0.14	25.85	266.96
3750.00	0.76	291.47	3749.70	20.55	-1.24	-26.10	0.45	26.13	267.27
3775.00	0.77	287.40	3774.70	20.87	-1.13	-26.42	0.22	26.44	267.55
3800.00	0.82	285.98	3799.70	21.20	-1.03	-26.75	0.22	26.77	267.79
3825.00	0.80	291.04	3824.69	21.54	-0.92	-27.08	0.30	27.10	268.05
3850.00	0.82	298.68	3849.69	21.88	-0.77	-27.40	0.44	27.41	268.39
3875.00	0.80	283.18	3874.69	22.22	-0.65	-27.73	0.88	27.74	268.66
3900.00	0.79	285.93	3899.69	22.55	-0.56	-28.06	0.16	28.07	268.86
3925.00	0.85	284.49	3924.68	22.88	-0.47	-28.41	0.24	28.41	269.06
3950.00	0.85	285.76	3949.68	23.23	-0.37	-28.77	0.08	28.77	269.26
3975.00	0.89	286.99	3974.68	23.59	-0.26	-29.13	0.20	29.13	269.48

MD	INC	AZIM	TRF	GRS	GRS	GRS	GRS	CLOSURE DIST	CLOSURE DIST
FEET	DEG	DEG	FEET	FEET	FEET	FEET	FEET	FEET	FEET
4800.00	1.15	302.42	4799.42	43.56	13.55	-43.82	0.29	45.86	287.18
4825.00	1.09	293.47	4824.41	44.05	13.78	-44.25	0.75	46.34	287.30
4850.00	1.12	300.84	4849.41	44.52	14.00	-44.68	0.58	46.82	287.40
4875.00	1.18	303.48	4874.40	45.02	14.27	-45.10	0.31	47.30	287.55
4900.00	1.15	300.87	4899.40	45.53	14.54	-45.53	0.24	47.79	287.71
4925.00	1.19	297.02	4924.39	46.04	14.78	-45.98	0.36	48.30	287.83
4950.00	1.18	300.88	4949.39	46.55	15.03	-46.43	0.32	48.80	287.94
4975.00	1.25	300.73	4974.38	47.08	15.31	-46.88	0.26	49.32	288.08
5000.00	1.21	298.93	4999.37	47.61	15.57	-47.35	0.22	49.84	288.21
5025.00	1.27	301.35	5024.37	48.15	15.84	-47.82	0.33	50.37	288.33
5050.00	1.21	299.02	5049.36	48.69	16.12	-48.28	0.33	50.90	288.46
5075.00	1.19	295.45	5074.36	49.21	16.35	-48.75	0.31	51.42	288.55
5100.00	1.25	296.27	5099.35	49.73	16.59	-49.23	0.26	51.95	288.62
5125.00	1.28	299.77	5124.35	50.28	16.85	-49.71	0.33	52.49	288.72
5150.00	1.31	296.83	5149.34	50.84	17.11	-50.21	0.29	53.05	288.82
5175.00	1.26	294.50	5174.33	51.39	17.36	-50.72	0.28	53.61	288.89
5200.00	1.32	296.28	5199.33	51.95	17.60	-51.23	0.27	54.17	288.96
5225.00	1.43	299.82	5224.32	52.54	17.88	-51.76	0.56	54.76	289.06
5250.00	1.57	303.46	5249.31	53.20	18.23	-52.31	0.66	55.40	289.21
5275.00	1.67	303.41	5274.30	53.90	18.62	-52.90	0.43	56.08	289.39
5300.00	1.76	303.33	5299.29	54.65	19.03	-53.53	0.32	56.81	289.57
5325.00	1.76	301.71	5324.28	55.41	19.44	-54.17	0.20	57.55	289.74
5350.00	1.73	301.06	5349.27	56.17	19.84	-54.82	0.12	58.30	289.89
5375.00	1.72	300.80	5374.26	56.92	20.22	-55.47	0.07	59.04	290.03
5400.00	1.65	298.81	5399.24	57.65	20.59	-56.10	0.36	59.76	290.15
5425.00	1.62	300.62	5424.23	58.36	20.94	-56.72	0.24	60.47	290.26
5450.00	1.68	297.08	5449.22	59.08	21.29	-57.35	0.48	61.18	290.36
5475.00	1.71	299.00	5474.21	59.81	21.64	-58.01	0.25	61.91	290.45
5500.00	1.73	301.19	5499.20	60.56	22.01	-58.65	0.27	62.65	290.57
5525.00	1.84	302.77	5524.19	61.33	22.42	-59.31	0.49	63.41	290.71
5550.00	1.80	304.60	5549.18	62.13	22.86	-59.97	0.28	64.18	290.87
5575.00	1.90	302.84	5574.16	62.93	23.31	-60.65	0.47	64.97	291.03

MD	INC	AZIM	TVR	VS	NU-S	HE-W	DLS	CLOSURE DIST	CLOSURE DIS
ft	deg	deg	ft	ft	ft	ft	ft	ft	ft
6400.00	8.06	298.51	6396.65	122.67	57.19	-109.85	2.07	123.84	297.50
6425.00	8.47	297.96	6421.39	126.23	58.89	-113.01	1.64	127.44	297.52
6450.00	8.73	297.90	6446.11	129.94	60.64	-116.32	1.05	131.17	297.54
6475.00	8.96	296.53	6470.81	133.74	62.40	-119.73	1.26	135.02	297.53
6500.00	9.21	296.65	6495.50	137.64	64.17	-123.27	1.00	138.97	297.50
6525.00	9.46	297.72	6520.17	141.66	66.02	-126.87	1.22	143.02	297.49
6550.00	9.58	297.38	6544.82	145.75	67.93	-130.54	0.51	147.16	297.49
6575.00	9.68	297.47	6569.47	149.90	69.86	-134.25	0.43	151.34	297.49
6600.00	9.89	298.04	6594.11	154.11	71.84	-138.01	0.93	155.59	297.50
6625.00	10.13	298.16	6618.73	158.42	73.89	-141.85	0.94	159.94	297.51
6650.00	10.22	297.68	6643.33	162.80	75.95	-145.75	0.50	164.35	297.53
6675.00	9.93	298.64	6667.95	167.14	78.02	-149.61	1.34	168.73	297.54
6700.00	9.68	299.44	6692.58	171.37	80.09	-153.33	1.15	172.98	297.58
6725.00	9.60	299.44	6717.23	175.53	82.14	-156.97	0.34	177.17	297.62
6750.00	9.66	299.58	6741.88	179.69	84.20	-160.61	0.27	181.34	297.67
6775.00	9.76	300.71	6766.52	183.89	86.32	-164.26	0.87	185.56	297.72
6800.00	9.78	300.69	6791.16	188.12	88.49	-167.91	0.04	189.79	297.79
6825.00	9.85	301.37	6815.79	192.36	90.68	-171.56	0.54	194.05	297.86
6850.00	9.95	301.91	6840.42	196.65	92.94	-175.22	0.57	198.34	297.94
6875.00	9.80	301.13	6865.05	200.93	95.18	-178.87	0.81	202.62	298.02
6900.00	9.67	302.08	6889.69	205.15	97.39	-182.47	0.83	206.84	298.09
6925.00	9.67	302.88	6914.33	209.35	99.65	-186.02	0.54	211.03	298.18
6950.00	9.69	302.19	6938.98	213.55	101.91	-189.56	0.48	215.22	298.26
6975.00	9.82	303.07	6963.61	217.78	104.20	-193.13	0.78	219.44	298.35
7000.00	10.10	303.58	6988.24	222.10	106.57	-196.74	1.19	223.75	298.44
7025.00	10.19	304.06	7012.85	226.50	109.02	-200.40	0.47	228.14	298.55
7050.00	9.98	305.04	7037.46	230.88	111.50	-204.00	1.08	232.49	298.66
7075.00	9.56	307.00	7062.10	235.12	114.00	-207.43	2.15	236.69	298.79
7100.00	8.94	309.16	7086.77	239.13	116.47	-210.60	2.83	240.66	298.95
7125.00	8.58	311.30	7111.48	242.92	118.93	-213.51	1.93	244.40	299.12
7150.00	8.27	313.62	7136.21	246.56	121.40	-216.21	1.86	247.96	299.31
7175.00	7.81	316.12	7160.97	250.01	123.87	-218.69	2.29	251.33	299.53

