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30-025-39668

DIRECTIONAL SURVEY REPORT

OGX RESOURCES, LLC.

TRISTE DRAW 5 FED #1H

LEA COUNTY, NEW MEXICO

SUR: D-05-24s-32e, 660/N & 660/W
BHL: M-05-24s-32e, 4942/N & 647/W
API # 30-025-39668

PREPARED BY: FRANCISCO SINISTERRA

Pathfinder Energy Services, Inc.
6213 W. Interstate 20 • Midland, TX • 79706
(432) 681-6000

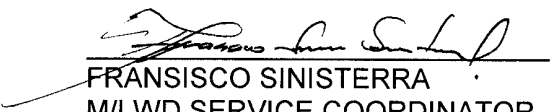
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY: A) SAM DEMORY
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 07-08-10 TO 07-20-10
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: LEA COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

OGX RESOURCES, LLC.
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG: MCVAY 10

9. SURVEY CERTIFIED FROM: 7991 TO 12404 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4282.51 FEET ON A BEARING OF 180.18 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 12460.17 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


FRANSISCO SINISTERRA
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 07/08/2010
Date Completed: 07/20/2010

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
Rig:McVAY 10
PathFinder Office Supervisor:
PathFinder Field Engineers:JOSH MERRIMAN
SCOTT FINDLEY
SAM DEMORY

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.15.6.4152 N LON:103.42.9.2217 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 695001.4000 Y: 455889.3000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.43° EAST TO GRID
Vertical Section Plane: 180.06
Survey Vert. Reference: 18.00' Kelly Bushing To Ground
Altitude:3614.00' Ground To MSL

Measured Depth	12460.17	(feet)
Inclination	90.75	(deg)
Azimuth	181.71	(deg)
True Vertical Depth	8408.85	(feet)
Vertical Section	4282.50	(feet)
Survey X cord	694988.13	(feet)
Survey Y cord	451606.81	(feet)
Survey Lat	32.24001041 N	(deg)
Survey Lon	103.70268585 W	(deg)
Rectangular Corr. N/S	4282.49 S	(feet)
Rectangular Corr. E/W	13.27 W	(feet)
Closure Distance	4282.51	(feet)
Direction of Closure	180.18	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
Rig:McVAY 10

PathFinder Office Supervisor:

PathFinder Field Engineers: JOSH MERRIMAN

SCOTT FINDLEY

SAM DEMORY

Survey Calculations by RX5 V6.03A using Minimum Curvature

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.15.6.4152 N LON:103.42.9.2217 W

GRID Reference:NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 695001.4000 Y: 455889.3000

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.43° EAST TO GRID

Vertical Section Plane: 180.06

Survey Vert. Reference: 18.00' Kelly Bushing To Ground

Altitude:3614.00' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE SCIENTIFIC DRILLING GYRO SURVEYS.										
100.00	0.29	118.11	100.00	0.00	0.12	0.12 S	0.20 E	0.23@	121.26	0.00
200.00	0.19	207.19	200.00	100.00	0.39	0.39 S	0.35 E	0.52@	138.24	0.34
300.00	0.09	156.28	300.00	100.00	0.61	0.61 S	0.30 E	0.68@	153.57	0.15
400.00	0.17	238.67	400.00	100.00	0.76	0.76 S	0.21 E	0.78@	164.73	0.18
500.00	0.24	233.02	500.00	100.00	0.96	0.96 S	0.09 W	0.96@	185.23	0.07
600.00	0.36	250.16	600.00	100.00	1.19	1.19 S	0.55 W	1.31@	204.81	0.15
700.00	0.49	267.49	700.00	100.00	1.32	1.32 S	1.27 W	1.83@	224.04	0.18
800.00	0.50	255.78	799.99	100.00	1.44	1.44 S	2.12 W	2.57@	235.81	0.10
900.00	0.84	242.09	899.99	100.00	1.90	1.89 S	3.19 W	3.71@	239.35	0.37
1000.00	1.00	235.50	999.97	100.00	2.73	2.73 S	4.56 W	5.32@	239.10	0.19
1100.00	1.19	234.48	1099.96	100.00	3.83	3.83 S	6.13 W	7.22@	238.00	0.19
1200.00	1.09	232.39	1199.94	100.00	5.02	5.01 S	7.72 W	9.21@	237.02	0.11
1300.00	1.05	231.18	1299.92	100.00	6.18	6.17 S	9.19 W	11.07@	236.14	0.05
1400.00	0.96	230.63	1399.90	100.00	7.28	7.27 S	10.55 W	12.82@	235.43	0.09
1500.00	0.78	239.25	1499.89	100.00	8.16	8.15 S	11.79 W	14.33@	235.33	0.22
1600.00	0.76	244.41	1599.88	100.00	8.80	8.79 S	12.97 W	15.66@	235.88	0.07
1700.00	0.56	259.55	1699.88	100.00	9.18	9.16 S	14.05 W	16.77@	236.89	0.26
1800.00	0.75	270.02	1799.87	100.00	9.27	9.25 S	15.18 W	17.78@	238.65	0.22
1900.00	0.72	274.06	1899.86	100.00	9.22	9.20 S	16.46 W	18.86@	240.79	0.06
2000.00	0.74	273.48	1999.85	100.00	9.14	9.12 S	17.73 W	19.94@	242.78	0.02
2100.00	0.81	278.00	2099.84	100.00	9.00	8.98 S	19.08 W	21.09@	244.79	0.09
2200.00	0.61	287.08	2199.84	100.00	8.75	8.73 S	20.29 W	22.09@	246.72	0.23
2300.00	0.64	295.84	2299.83	100.00	8.35	8.33 S	21.30 W	22.87@	248.64	0.10
2400.00	0.43	284.67	2399.83	100.00	8.01	7.99 S	22.17 W	23.56@	250.18	0.23
2500.00	0.66	293.01	2499.82	100.00	7.69	7.67 S	23.06 W	24.30@	251.60	0.24
2600.00	0.92	313.14	2599.81	100.00	6.92	6.90 S	24.17 W	25.14@	254.08	0.38

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 02/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
2700.00	1.04	347.26	2699.80	100.00	5.49	5.46 S	24.96 W	25.55@	257.66	0.59
2800.00	1.04	350.47	2799.78	100.00	3.71	3.68 S	25.31 W	25.58@	261.72	0.06
2900.00	1.53	354.76	2899.76	100.00	1.48	1.46 S	25.58 W	25.62@	266.74	0.50
3000.00	1.75	0.42	2999.71	100.00	-1.37	1.40 N	25.69 W	25.73@	273.12	0.27
3100.00	1.60	3.84	3099.67	100.00	-4.29	4.32 N	25.59 W	25.95@	279.58	0.18
3200.00	1.28	5.62	3199.64	100.00	-6.80	6.82 N	25.39 W	26.29@	285.04	0.32
3300.00	0.82	15.19	3299.62	100.00	-8.60	8.63 N	25.09 W	26.53@	288.97	0.49
3400.00	0.48	336.45	3399.62	100.00	-9.67	9.70 N	25.07 W	26.88@	291.15	0.54
3500.00	0.28	195.12	3499.62	100.00	-9.82	9.85 N	25.30 W	27.15@	291.27	0.72
3600.00	0.71	212.17	3599.61	100.00	-9.06	9.09 N	25.69 W	27.25@	289.48	0.45
3700.00	1.01	226.36	3699.60	100.00	-7.93	7.95 N	26.66 W	27.82@	286.61	0.36
3800.00	1.44	225.85	3799.58	100.00	-6.44	6.47 N	28.20 W	28.93@	282.92	0.43
3900.00	1.24	218.13	3899.55	100.00	-4.71	4.75 N	29.77 W	30.15@	279.06	0.27
4000.00	1.28	185.92	3999.53	100.00	-2.75	2.78 N	30.55 W	30.68@	275.20	0.70
4100.00	1.48	175.96	4099.50	100.00	-0.35	0.38 N	30.58 W	30.58@	270.72	0.31
4200.00	1.68	176.92	4199.46	100.00	2.40	2.37 S	30.41 W	30.50@	265.55	0.20
4300.00	2.22	169.21	4299.40	100.00	5.77	5.73 S	29.97 W	30.51@	259.17	0.60
4400.00	2.56	164.19	4399.32	100.00	9.82	9.79 S	29.00 W	30.60@	251.35	0.40
4500.00	2.33	166.19	4499.22	100.00	13.94	13.91 S	27.90 W	31.18@	243.50	0.24
4600.00	1.76	163.60	4599.16	100.00	17.38	17.36 S	26.98 W	32.08@	237.25	0.58
4700.00	1.75	161.65	4699.11	100.00	20.31	20.28 S	26.07 W	33.03@	232.12	0.06
4800.00	1.47	171.20	4799.07	100.00	23.02	23.00 S	25.39 W	34.26@	227.84	0.39
4900.00	1.23	169.11	4899.05	100.00	25.34	25.32 S	24.99 W	35.58@	224.63	0.24
5000.00	1.31	172.74	4999.02	100.00	27.53	27.50 S	24.65 W	36.93@	221.86	0.11
5100.00	1.30	176.23	5099.00	100.00	29.80	29.77 S	24.43 W	38.51@	219.37	0.08
5200.00	1.26	181.21	5198.97	100.00	32.03	32.00 S	24.38 W	40.23@	217.30	0.12
5300.00	1.08	184.82	5298.95	100.00	34.07	34.04 S	24.48 W	41.93@	215.72	0.19
5400.00	1.09	175.72	5398.93	100.00	35.95	35.93 S	24.49 W	43.48@	214.28	0.17
5500.00	1.05	177.64	5498.91	100.00	37.82	37.79 S	24.38 W	44.97@	212.82	0.05

PathFinder Energy Services, Inc.

Survey Report

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TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 03/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5600.00	1.07	182.96	5598.90	100.00	39.66	39.64 S	24.39 W	46.54@	211.60	0.10
5700.00	0.76	188.05	5698.88	100.00	41.25	41.23 S	24.53 W	47.97@	210.75	0.32
5800.00	0.75	189.69	5798.88	100.00	42.56	42.53 S	24.73 W	49.20@	210.18	0.02
5900.00	0.75	197.25	5898.87	100.00	43.83	43.80 S	25.04 W	50.45@	209.75	0.10
6000.00	0.83	199.95	5998.86	100.00	45.13	45.11 S	25.48 W	51.80@	209.46	0.09
6100.00	0.93	205.27	6098.85	100.00	46.55	46.52 S	26.07 W	53.33@	209.27	0.13
6200.00	0.88	205.10	6198.83	100.00	47.98	47.95 S	26.74 W	54.90@	209.15	0.05
6300.00	0.89	210.45	6298.82	100.00	49.34	49.32 S	27.46 W	56.45@	209.11	0.08
6400.00	0.59	191.88	6398.81	100.00	50.52	50.49 S	27.96 W	57.71@	208.98	0.38
6500.00	0.71	171.74	6498.81	100.00	51.63	51.61 S	27.98 W	58.70@	208.47	0.26
6600.00	0.83	165.88	6598.80	100.00	52.95	52.92 S	27.71 W	59.74@	207.64	0.14
6700.00	0.77	168.54	6698.79	100.00	54.31	54.28 S	27.40 W	60.81@	206.79	0.07
6800.00	0.73	156.69	6798.78	100.00	55.55	55.53 S	27.02 W	61.75@	205.95	0.16
6900.00	0.73	155.97	6898.77	100.00	56.72	56.69 S	26.51 W	62.58@	205.06	0.01
7000.00	0.75	152.79	6998.76	100.00	57.88	57.86 S	25.95 W	63.41@	204.16	0.05
7100.00	0.73	155.85	7098.76	100.00	59.05	59.02 S	25.39 W	64.25@	203.28	0.04
7200.00	1.07	157.29	7198.74	100.00	60.49	60.46 S	24.77 W	65.34@	202.27	0.34
7300.00	0.76	112.23	7298.73	100.00	61.60	61.57 S	23.79 W	66.01@	201.13	0.76
7400.00	1.02	80.61	7398.72	100.00	61.70	61.68 S	22.30 W	65.59@	199.88	0.54
7500.00	0.94	88.48	7498.71	100.00	61.53	61.51 S	20.60 W	64.87@	198.52	0.16
7600.00	0.72	101.38	7598.69	100.00	61.64	61.62 S	19.17 W	64.53@	197.28	0.29
7700.00	0.47	107.50	7698.69	100.00	61.88	61.86 S	18.16 W	64.47@	196.36	0.26
7800.00	0.59	144.95	7798.68	100.00	62.43	62.41 S	17.47 W	64.81@	195.64	0.36
7900.00	0.37	169.13	7898.68	100.00	63.16	63.15 S	17.12 W	65.42@	195.17	0.30
** TIED INTO SCIENTIFIC DRILLING GYRO SURVEY @ 7940'MD.										
7940.00	0.52	149.84	7938.68	40.00	63.45	63.43 S	17.00 W	65.67@	195.00	0.53
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
7991.00	1.93	177.27	7989.67	51.00	64.51	64.49 S	16.84 W	66.65@	194.64	2.92
8023.00	5.63	178.83	8021.59	32.00	66.61	66.60 S	16.79 W	68.68@	194.15	11.57

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 04/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
8055.00	9.58	176.76	8053.30	32.00	70.84	70.83 S	16.60 W	72.75@	193.19	12.37
8086.00	13.81	176.17	8083.65	31.00	77.11	77.10 S	16.21 W	78.78@	191.87	13.65
8118.00	17.94	177.44	8114.43	32.00	85.85	85.83 S	15.73 W	87.26@	190.39	12.95
8150.00	22.07	178.65	8144.49	32.00	96.79	96.77 S	15.37 W	97.99@	189.03	12.97
8182.00	26.12	180.19	8173.70	32.00	109.85	109.83 S	15.25 W	110.89@	187.91	12.81
8214.00	30.69	181.15	8201.84	32.00	125.06	125.05 S	15.44 W	126.00@	187.04	14.35
8245.00	34.91	180.14	8227.89	31.00	141.85	141.84 S	15.62 W	142.69@	186.29	13.73
8277.00	38.95	179.01	8253.46	32.00	161.07	161.06 S	15.47 W	161.80@	185.49	12.80
8309.00	42.38	178.63	8277.73	32.00	181.92	181.90 S	15.04 W	182.52@	184.73	10.75
8340.00	45.99	178.86	8299.96	31.00	203.52	203.50 S	14.57 W	204.02@	184.09	11.66
8372.00	49.77	179.72	8321.42	32.00	227.24	227.23 S	14.28 W	227.68@	183.60	11.98
8404.00	53.11	179.73	8341.36	32.00	252.26	252.25 S	14.16 W	252.64@	183.21	10.44
8435.00	55.49	179.64	8359.45	31.00	277.44	277.42 S	14.02 W	277.77@	182.89	7.68
8467.00	58.39	179.16	8376.90	32.00	304.25	304.24 S	13.74 W	304.55@	182.59	9.15
8498.00	62.34	178.80	8392.23	31.00	331.18	331.17 S	13.26 W	331.44@	182.29	12.78
8530.00	66.74	178.98	8405.98	32.00	360.06	360.05 S	12.70 W	360.27@	182.02	13.76
8562.00	70.26	179.22	8417.71	32.00	389.83	389.82 S	12.23 W	390.01@	181.80	11.02
8594.00	73.25	179.24	8427.73	32.00	420.21	420.20 S	11.82 W	420.37@	181.61	9.34
8626.00	77.21	179.46	8435.88	32.00	451.15	451.13 S	11.47 W	451.28@	181.46	12.39
8657.00	81.43	179.96	8441.63	31.00	481.60	481.59 S	11.32 W	481.72@	181.35	13.71
8690.00	83.89	180.11	8445.84	33.00	514.33	514.32 S	11.34 W	514.44@	181.26	7.47
8721.00	84.15	180.08	8449.07	31.00	545.16	545.15 S	11.39 W	545.27@	181.20	0.84
8753.00	85.65	180.15	8451.92	32.00	577.03	577.02 S	11.45 W	577.13@	181.14	4.69
8785.00	87.05	180.65	8453.95	32.00	608.97	608.95 S	11.68 W	609.07@	181.10	4.65
8817.00	86.79	180.63	8455.67	32.00	640.92	640.91 S	12.03 W	641.02@	181.08	0.82
8849.00	87.85	180.87	8457.17	32.00	672.88	672.87 S	12.45 W	672.98@	181.06	3.40
8880.00	88.72	180.67	8458.10	31.00	703.86	703.85 S	12.87 W	703.97@	181.05	2.88
8912.00	88.55	180.34	8458.86	32.00	735.85	735.84 S	13.15 W	735.96@	181.02	1.16
8944.00	89.52	180.30	8459.40	32.00	767.85	767.83 S	13.33 W	767.95@	180.99	3.03

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Page 05/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
8976.00	89.16	180.41	8459.77	32.00	799.85	799.83 S	13.53 W	799.95@	180.97	1.18
9007.00	89.08	180.24	8460.24	31.00	830.84	830.83 S	13.70 W	830.94@	180.94	0.61
9039.00	90.31	180.44	8460.41	32.00	862.84	862.83 S	13.89 W	862.94@	180.92	3.89
9071.00	91.89	180.45	8459.80	32.00	894.83	894.82 S	14.14 W	894.93@	180.91	4.94
9102.00	91.98	180.12	8458.75	31.00	925.81	925.80 S	14.29 W	925.91@	180.88	1.10
9134.00	90.75	179.99	8457.99	32.00	957.81	957.79 S	14.33 W	957.90@	180.86	3.86
9166.00	89.96	179.83	8457.79	32.00	989.80	989.79 S	14.28 W	989.89@	180.83	2.52
9198.00	90.40	179.88	8457.69	32.00	1021.80	1021.79 S	14.19 W	1021.89@	180.80	1.38
9229.00	90.40	179.73	8457.47	31.00	1052.80	1052.79 S	14.09 W	1052.88@	180.77	0.48
9261.00	91.10	180.30	8457.06	32.00	1084.80	1084.79 S	14.10 W	1084.88@	180.74	2.82
9293.00	93.03	180.47	8455.90	32.00	1116.78	1116.76 S	14.31 W	1116.85@	180.73	6.05
9325.00	93.65	180.30	8454.04	32.00	1148.72	1148.71 S	14.53 W	1148.80@	180.72	2.01
9357.00	93.47	180.07	8452.05	32.00	1180.66	1180.65 S	14.63 W	1180.74@	180.71	0.91
9388.00	93.47	180.04	8450.18	31.00	1211.60	1211.59 S	14.66 W	1211.68@	180.69	0.10
9420.00	93.21	179.88	8448.31	32.00	1243.55	1243.53 S	14.64 W	1243.62@	180.67	0.95
9452.00	91.98	179.52	8446.86	32.00	1275.51	1275.50 S	14.47 W	1275.58@	180.65	4.00
9484.00	91.45	179.52	8445.90	32.00	1307.50	1307.48 S	14.20 W	1307.56@	180.62	1.66
9516.00	90.48	178.82	8445.37	32.00	1339.49	1339.48 S	13.74 W	1339.55@	180.59	3.74
9548.00	89.87	178.38	8445.27	32.00	1371.48	1371.47 S	12.96 W	1371.53@	180.54	2.35
9579.00	90.40	178.38	8445.19	31.00	1402.47	1402.45 S	12.08 W	1402.51@	180.49	1.71
9611.00	90.04	178.47	8445.07	32.00	1434.45	1434.44 S	11.20 W	1434.49@	180.45	1.16
9643.00	91.28	178.82	8444.70	32.00	1466.44	1466.43 S	10.44 W	1466.47@	180.41	4.03
9675.00	91.19	178.99	8444.01	32.00	1498.43	1498.42 S	9.83 W	1498.45@	180.38	0.60
9707.00	91.10	179.78	8443.37	32.00	1530.42	1530.41 S	9.49 W	1530.44@	180.36	2.48
9738.00	90.84	179.52	8442.85	31.00	1561.41	1561.40 S	9.30 W	1561.43@	180.34	1.19
9770.00	91.71	179.43	8442.14	32.00	1593.40	1593.39 S	9.01 W	1593.42@	180.32	2.73
9802.00	92.59	179.61	8440.94	32.00	1625.38	1625.37 S	8.74 W	1625.39@	180.31	2.81
9834.00	92.15	179.34	8439.61	32.00	1657.35	1657.34 S	8.45 W	1657.36@	180.29	1.61
9865.00	92.24	179.26	8438.43	31.00	1688.32	1688.32 S	8.07 W	1688.33@	180.27	0.39

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 06/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
9897.00	91.98	180.31	8437.25	32.00	1720.30	1720.29 S	7.95 W	1720.31@	180.26	3.38
9929.00	91.63	180.22	8436.24	32.00	1752.28	1752.28 S	8.10 W	1752.30@	180.26	1.13
9961.00	91.80	179.87	8435.28	32.00	1784.27	1784.26 S	8.12 W	1784.28@	180.26	1.22
9993.00	91.36	180.05	8434.40	32.00	1816.26	1816.25 S	8.10 W	1816.27@	180.26	1.49
10024.00	90.48	179.61	8433.90	31.00	1847.25	1847.25 S	8.01 W	1847.26@	180.25	3.17
10056.00	90.48	179.34	8433.63	32.00	1879.25	1879.24 S	7.71 W	1879.26@	180.24	0.84
10088.00	91.80	179.43	8433.00	32.00	1911.24	1911.23 S	7.37 W	1911.25@	180.22	4.14
10120.00	91.63	179.17	8432.04	32.00	1943.22	1943.22 S	6.98 W	1943.23@	180.21	0.97
10152.00	91.71	179.08	8431.11	32.00	1975.21	1975.20 S	6.49 W	1975.21@	180.19	0.38
10184.00	92.07	180.31	8430.05	32.00	2007.19	2007.18 S	6.32 W	2007.19@	180.18	4.00
10216.00	91.89	180.57	8428.95	32.00	2039.17	2039.16 S	6.57 W	2039.17@	180.18	0.99
10248.00	91.89	180.40	8427.89	32.00	2071.15	2071.14 S	6.84 W	2071.15@	180.19	0.53
10280.00	91.71	179.87	8426.89	32.00	2103.13	2103.13 S	6.91 W	2103.14@	180.19	1.75
10312.00	91.63	180.05	8425.95	32.00	2135.12	2135.11 S	6.89 W	2135.12@	180.18	0.61
10344.00	89.96	178.99	8425.51	32.00	2167.11	2167.11 S	6.62 W	2167.12@	180.18	6.18
10376.00	89.43	178.55	8425.68	32.00	2199.10	2199.10 S	5.93 W	2199.11@	180.15	2.15
10407.00	89.34	178.64	8426.01	31.00	2230.09	2230.09 S	5.17 W	2230.09@	180.13	0.41
10438.00	90.22	178.99	8426.13	31.00	2261.08	2261.08 S	4.53 W	2261.09@	180.11	3.05
10470.00	90.40	178.55	8425.96	32.00	2293.08	2293.07 S	3.85 W	2293.08@	180.10	1.49
10502.00	90.66	178.20	8425.66	32.00	2325.06	2325.06 S	2.94 W	2325.06@	180.07	1.36
10534.00	90.48	178.64	8425.34	32.00	2357.05	2357.04 S	2.06 W	2357.05@	180.05	1.49
10566.00	90.75	178.82	8425.00	32.00	2389.04	2389.04 S	1.35 W	2389.04@	180.03	1.01
10598.00	90.13	179.43	8424.75	32.00	2421.03	2421.03 S	0.86 W	2421.03@	180.02	2.72
10629.00	90.48	179.78	8424.59	31.00	2452.03	2452.03 S	0.65 W	2452.03@	180.02	1.60
10661.00	90.48	180.40	8424.32	32.00	2484.03	2484.03 S	0.70 W	2484.03@	180.02	1.94
10693.00	89.34	180.40	8424.37	32.00	2516.03	2516.03 S	0.92 W	2516.03@	180.02	3.56
10725.00	88.90	180.49	8424.86	32.00	2548.02	2548.02 S	1.17 W	2548.02@	180.03	1.40
10757.00	88.90	180.05	8425.48	32.00	2580.02	2580.02 S	1.32 W	2580.02@	180.03	1.37
10789.00	89.78	179.96	8425.85	32.00	2612.01	2612.01 S	1.32 W	2612.01@	180.03	2.76

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 07/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
10821.00	90.66	179.96	8425.72	32.00	2644.01	2644.01 S 1.30 W	2644.01@ 180.03	2.75
10853.00	91.19	180.57	8425.21	32.00	2676.01	2676.01 S 1.45 W	2676.01@ 180.03	2.53
10885.00	91.63	181.54	8424.42	32.00	2707.99	2707.99 S 2.04 W	2707.99@ 180.04	3.33
10916.00	91.54	181.10	8423.56	31.00	2738.97	2738.97 S 2.75 W	2738.97@ 180.06	1.45
10948.00	91.63	181.45	8422.68	32.00	2770.95	2770.95 S 3.46 W	2770.95@ 180.07	1.13
10979.00	91.71	181.63	8421.77	31.00	2801.93	2801.93 S 4.29 W	2801.93@ 180.09	0.64
11011.00	91.63	181.54	8420.84	32.00	2833.91	2833.90 S 5.18 W	2833.91@ 180.10	0.38
11043.00	90.84	181.19	8420.15	32.00	2865.89	2865.88 S 5.94 W	2865.89@ 180.12	2.70
11075.00	90.75	180.57	8419.71	32.00	2897.88	2897.88 S 6.43 W	2897.88@ 180.13	1.96
11107.00	90.66	180.22	8419.31	32.00	2929.88	2929.87 S 6.65 W	2929.88@ 180.13	1.13
11139.00	90.57	180.13	8418.97	32.00	2961.88	2961.87 S 6.75 W	2961.88@ 180.13	0.40
11171.00	90.48	179.78	8418.68	32.00	2993.88	2993.87 S 6.73 W	2993.88@ 180.13	1.13
11203.00	90.22	179.78	8418.48	32.00	3025.87	3025.87 S 6.60 W	3025.88@ 180.13	0.81
11235.00	90.13	179.70	8418.38	32.00	3057.87	3057.87 S 6.46 W	3057.88@ 180.12	0.38
11267.00	90.04	179.26	8418.34	32.00	3089.87	3089.87 S 6.17 W	3089.87@ 180.11	1.40
11299.00	89.78	179.08	8418.39	32.00	3121.87	3121.86 S 5.70 W	3121.87@ 180.10	0.99
11331.00	89.60	178.99	8418.56	32.00	3153.86	3153.86 S 5.16 W	3153.86@ 180.09	0.63
11363.00	89.60	179.43	8418.78	32.00	3185.86	3185.86 S 4.72 W	3185.86@ 180.08	1.37
11395.00	90.04	179.43	8418.88	32.00	3217.86	3217.85 S 4.40 W	3217.86@ 180.08	1.37
11427.00	90.75	179.17	8418.66	32.00	3249.85	3249.85 S 4.01 W	3249.85@ 180.07	2.36
11459.00	90.66	179.43	8418.27	32.00	3281.85	3281.85 S 3.62 W	3281.85@ 180.06	0.86
11491.00	90.40	178.99	8417.97	32.00	3313.84	3313.84 S 3.18 W	3313.84@ 180.06	1.60
11523.00	90.40	178.47	8417.75	32.00	3345.83	3345.83 S 2.47 W	3345.83@ 180.04	1.62
11555.00	90.13	178.20	8417.60	32.00	3377.82	3377.82 S 1.54 W	3377.82@ 180.03	1.19
11587.00	91.10	178.29	8417.26	32.00	3409.80	3409.80 S 0.56 W	3409.80@ 180.01	3.04
11618.00	91.36	178.73	8416.59	31.00	3440.78	3440.78 S 0.24 E	3440.78@ 180.00	1.65
11650.00	91.36	178.73	8415.83	32.00	3472.76	3472.77 S 0.95 E	3472.77@ 179.98	0.00
11680.00	91.45	178.03	8415.10	30.00	3502.74	3502.75 S 1.80 E	3502.75@ 179.97	2.35
11712.00	90.92	178.99	8414.44	32.00	3534.72	3534.73 S 2.63 E	3534.73@ 179.96	3.43

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H
LEA COUNTY, NM
RIG:McVAY 10

Page 08/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
11744.00	90.13	179.52	8414.14	32.00	3566.72	3566.72 S	3.05 E 3566.72@ 179.95	2.97
11776.00	90.13	179.52	8414.07	32.00	3598.72	3598.72 S	3.32 E 3598.72@ 179.95	0.00
11807.00	89.96	180.05	8414.04	31.00	3629.72	3629.72 S	3.43 E 3629.72@ 179.95	1.80
11839.00	89.52	179.87	8414.19	32.00	3661.72	3661.72 S	3.45 E 3661.72@ 179.95	1.49
11871.00	89.87	180.05	8414.36	32.00	3693.71	3693.72 S	3.48 E 3693.72@ 179.95	1.23
11903.00	89.43	179.96	8414.56	32.00	3725.71	3725.72 S	3.47 E 3725.72@ 179.95	1.40
11928.00	89.52	180.46	8414.79	25.00	3750.71	3750.72 S	3.38 E 3750.72@ 179.95	2.03
11960.00	89.25	181.10	8415.13	32.00	3782.71	3782.71 S	2.95 E 3782.71@ 179.96	2.17
11992.00	90.04	181.56	8415.33	32.00	3814.70	3814.70 S	2.20 E 3814.70@ 179.97	2.86
12024.00	90.04	181.75	8415.30	32.00	3846.69	3846.69 S	1.28 E 3846.69@ 179.98	0.59
12056.00	90.40	182.46	8415.18	32.00	3878.67	3878.67 S	0.10 E 3878.67@ 180.00	2.49
12088.00	89.43	183.00	8415.23	32.00	3910.63	3910.63 S	1.42 W 3910.63@ 180.02	3.47
12119.00	89.08	183.21	8415.63	31.00	3941.58	3941.58 S	3.10 W 3941.58@ 180.05	1.32
12151.00	89.69	182.30	8415.98	32.00	3973.55	3973.54 S	4.64 W 3973.55@ 180.07	3.42
12183.00	91.36	181.18	8415.68	32.00	4005.53	4005.53 S	5.61 W 4005.53@ 180.08	6.28
12214.00	92.24	181.26	8414.71	31.00	4036.51	4036.50 S	6.27 W 4036.51@ 180.09	2.85
12246.00	92.15	181.40	8413.48	32.00	4068.48	4068.47 S	7.01 W 4068.48@ 180.10	0.52
12278.00	91.80	181.65	8412.38	32.00	4100.45	4100.44 S	7.86 W 4100.45@ 180.11	1.34
12308.00	91.63	181.87	8411.48	30.00	4130.42	4130.41 S	8.78 W 4130.42@ 180.12	0.93
12340.00	91.28	181.72	8410.67	32.00	4162.40	4162.39 S	9.78 W 4162.40@ 180.13	1.19
12372.00	90.92	181.53	8410.06	32.00	4194.38	4194.37 S	10.69 W 4194.38@ 180.15	1.27
12404.00	90.75	181.71	8409.59	32.00	4226.36	4226.35 S	11.60 W 4226.37@ 180.16	0.77
STRAIGHT LINE PROJECTION TO BIT.								
12460.17	90.75	181.71	8408.85	56.17	4282.50	4282.49 S	13.27 W 4282.51@ 180.18	0.00

** The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	OGX RESOURCES LLC		
LEASE / WELL No.:	TRISTE DRW 5 FED	#1H	
WELL LOCATION:	LEA COUNTY		
COUNTY / STATE / COUNTRY:	LEA COUNTY	NM	USA
RIG:	McVAY 10		
API WELL No:	30-025-39668		
JOB No:	101010845 WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	PATHFINDER		

WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):			
On Wall Plat:	7.42	LWD Calculated:	7.43
		Agreed Upon:	7.43
X =	695001.400000	Feet	Y = 455889.300000
			Feet
SITE LATITUDE:	32.251782 N	SITE LONGITUDE:	103.702562
GRID SYSTEM:	TRUE ☐ UTM ☐ LAMBERT ☒	ZONE:	NEW MEXICO EAST
PROPOSED DRIFT DIRECTION:	180.06		
KELLY BUSHING ELEVATION:	18' FT		
ALTITUDE:	3614	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	7940		
DRIFT ANGLE:	0.52		
DRIFT DIRECTION:	149.84		
TRUE VERTICAL DEPTH:	7938.68		
VERTICAL SECTION:	+ -63.43		
RECTANGULAR COORDINATE (N / S) :	-63.43		
RECTANGULAR COORDINATE (E / W) :	-17		
CLOSURE DISTANCE / DIRECTION:	65.66	195	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	SCIENTIFIC DRILLING (GYRO SURVEYS)		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	TOTAL DEPTH:
KICKOFF ANGLE:	MAX ANGLE:

PES Engineers:

**Signature of both field engineers required if applicable

Directional Driller:

DATE: 07/06/10



Scientific Drilling

Gyroscopic Survey Report
for
OGX RESOURCES

Well Location	LEA COUNTY, NEW MEXICO
Well Name	TRISTE DRAW 5 FEDERAL #1
Rig Name	McVAY #10
Survey Date	7/6/2010
Latitude	32.25 deg
North Reference	Grid North
Grid Correction	-0.34 deg
Depth Reference	13'K.B.
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	FINAL GYRO SURVEY
Operator	J.SUTHERLAND

Comments

SUR: D-05-24s-32e, 660/N & 660/W
BHL: M-05-24s-32e, 4942/N & 647/W
API # 30-025-39668



Well Name: TRISTE DRAW 5 FEDERAL #1

Survey: FINAL GYRO SURVEY

Survey Date: 7/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.29	118.11	100.00	-0.12	-0.12	0.23	0.29	0.26	118.11
200.00	0.19	207.19	200.00	-0.39	-0.39	0.38	0.35	0.54	135.57
300.00	0.09	156.28	300.00	-0.60	-0.60	0.34	0.15	0.69	150.85
400.00	0.17	238.67	400.00	-0.75	-0.75	0.24	0.18	0.79	162.02
500.00	0.24	233.02	500.00	-0.95	-0.95	-0.05	0.08	0.95	182.87
600.00	0.36	250.16	600.00	-1.18	-1.18	-0.51	0.15	1.29	203.20
700.00	0.49	267.49	699.99	-1.31	-1.31	-1.23	0.19	1.80	223.23
800.00	0.50	255.78	799.99	-1.44	-1.44	-2.09	0.10	2.53	235.48
900.00	0.84	242.09	899.98	-1.89	-1.89	-3.16	0.37	3.68	239.17
1000.00	1.00	235.50	999.97	-2.72	-2.72	-4.53	0.19	5.28	238.97
1100.00	1.19	234.48	1099.95	-3.82	-3.82	-6.09	0.20	7.19	237.90
1200.00	1.09	232.39	1199.93	-5.01	-5.01	-7.70	0.11	9.18	236.94
1300.00	1.05	231.18	1299.91	-6.17	-6.17	-9.17	0.05	11.05	236.07
1400.00	0.96	230.63	1399.90	-7.28	-7.28	-10.53	0.09	12.80	235.36
1500.00	0.78	239.25	1499.89	-8.16	-8.16	-11.77	0.22	14.32	235.27
1600.00	0.76	244.41	1599.88	-8.79	-8.79	-12.95	0.07	15.66	235.83
1700.00	0.56	259.55	1699.87	-9.17	-9.17	-14.03	0.27	16.76	236.84
1800.00	0.75	270.02	1799.87	-9.26	-9.26	-15.16	0.22	17.77	238.60
1900.00	0.72	274.06	1899.86	-9.21	-9.21	-16.44	0.06	18.84	240.74
2000.00	0.74	273.48	1999.85	-9.13	-9.13	-17.71	0.03	19.93	242.74
2100.00	0.81	278.00	2099.84	-8.99	-8.99	-19.06	0.09	21.07	244.75
2200.00	0.61	287.08	2199.83	-8.73	-8.73	-20.27	0.22	22.07	246.69
2300.00	0.64	295.84	2299.83	-8.33	-8.33	-21.29	0.10	22.86	248.62
2400.00	0.43	284.67	2399.82	-8.00	-8.00	-22.15	0.23	23.55	250.15
2500.00	0.66	293.01	2499.82	-7.68	-7.68	-23.04	0.24	24.29	251.57
2600.00	0.92	313.14	2599.81	-6.90	-6.90	-24.16	0.38	25.12	254.05
2700.00	1.04	347.26	2699.79	-5.47	-5.47	-24.94	0.59	25.54	257.64
2800.00	1.04	350.47	2799.78	-3.68	-3.68	-25.30	0.06	25.56	261.72
2900.00	1.53	354.76	2899.75	-1.45	-1.45	-25.57	0.49	25.61	266.75
3000.00	1.75	0.42	2999.71	1.40	1.40	-25.68	0.27	25.72	273.13
3100.00	1.60	3.84	3099.67	4.32	4.32	-25.57	0.18	25.94	279.58
3200.00	1.28	5.62	3199.64	6.82	6.82	-25.37	0.32	26.27	285.05
3300.00	0.82	15.19	3299.62	8.62	8.62	-25.07	0.49	26.52	288.98
3400.00	0.48	336.45	3399.61	9.70	9.70	-25.05	0.54	26.86	291.16
3500.00	0.28	195.12	3499.61	9.84	9.84	-25.28	0.72	27.13	291.27
3600.00	0.71	212.17	3599.61	9.08	9.08	-25.68	0.45	27.24	289.48
3700.00	1.01	226.36	3699.60	7.94	7.94	-26.65	0.37	27.81	286.60
3800.00	1.44	225.85	3799.57	6.46	6.46	-28.19	0.43	28.92	282.90



Well Name: TRISTE DRAW 5 FEDERAL #1
Survey: FINAL GYRO SURVEY
Survey Date: 7/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
3900.00	1.24	218.13	3899.55	4.73	4.73	-29.77	0.27	30.14	279.03
4000.00	1.28	185.92	3999.52	2.77	2.77	-30.55	0.70	30.68	275.18
4100.00	1.48	175.96	4099.49	0.37	0.37	-30.57	0.32	30.58	270.70
4200.00	1.68	176.92	4199.46	-2.38	-2.38	-30.40	0.20	30.50	265.52
4300.00	2.22	169.21	4299.40	-5.75	-5.75	-29.96	0.60	30.51	259.14
4400.00	2.56	164.19	4399.31	-9.80	-9.80	-28.99	0.39	30.60	251.32
4500.00	2.33	166.19	4499.22	-13.92	-13.92	-27.90	0.24	31.18	243.48
4600.00	1.76	163.60	4599.16	-17.37	-17.37	-26.98	0.58	32.09	237.22
4700.00	1.75	161.65	4699.11	-20.29	-20.29	-26.06	0.06	33.03	232.10
4800.00	1.47	171.20	4799.07	-23.01	-23.01	-25.39	0.39	34.26	227.82
4900.00	1.23	169.11	4899.04	-25.32	-25.32	-24.99	0.24	35.58	224.62
5000.00	1.31	172.74	4999.02	-27.51	-27.51	-24.64	0.11	36.93	221.85
5100.00	1.30	176.23	5098.99	-29.78	-29.78	-24.42	0.08	38.51	219.36
5200.00	1.26	181.21	5198.97	-32.01	-32.01	-24.37	0.12	40.23	217.28
5300.00	1.08	184.82	5298.95	-34.04	-34.04	-24.47	0.19	41.93	215.71
5400.00	1.09	175.72	5398.93	-35.93	-35.93	-24.48	0.17	43.48	214.27
5500.00	1.05	177.64	5498.91	-37.80	-37.80	-24.37	0.05	44.98	212.81
5600.00	1.07	182.96	5598.89	-39.64	-39.64	-24.38	0.10	46.54	211.59
5700.00	0.76	188.05	5698.88	-41.23	-41.23	-24.52	0.31	47.97	210.74
5800.00	0.75	189.69	5798.87	-42.54	-42.54	-24.73	0.02	49.21	210.17
5900.00	0.75	197.25	5898.86	-43.82	-43.82	-25.03	0.10	50.46	209.74
6000.00	0.83	199.95	5998.85	-45.13	-45.13	-25.48	0.09	51.82	209.45
6100.00	0.93	205.27	6098.84	-46.54	-46.54	-26.07	0.12	53.35	209.25
6200.00	0.88	205.10	6198.83	-47.97	-47.97	-26.74	0.05	54.92	209.14
6300.00	0.89	210.45	6298.82	-49.32	-49.32	-27.46	0.08	56.45	209.10
6400.00	0.59	191.88	6398.81	-50.49	-50.49	-27.95	0.38	57.71	208.97
6500.00	0.71	171.74	6498.80	-51.61	-51.61	-27.97	0.26	58.70	208.46
6600.00	0.83	165.88	6598.79	-52.92	-52.92	-27.71	0.14	59.74	207.63
6700.00	0.77	168.54	6698.78	-54.28	-54.28	-27.40	0.07	60.80	206.78
6800.00	0.73	156.69	6798.78	-55.53	-55.53	-27.01	0.16	61.75	205.94
6900.00	0.73	155.97	6898.77	-56.70	-56.70	-26.50	0.01	62.58	205.05
7000.00	0.75	152.79	6998.76	-57.86	-57.86	-25.94	0.04	63.41	204.15
7100.00	0.73	155.85	7098.75	-59.03	-59.03	-25.38	0.04	64.25	203.27
7200.00	1.07	157.29	7198.74	-60.47	-60.47	-24.76	0.33	65.34	202.27
7300.00	0.76	112.23	7298.73	-61.58	-61.58	-23.78	0.76	66.01	201.12
7400.00	1.02	80.61	7398.72	-61.68	-61.68	-22.29	0.54	65.59	199.87
7500.00	0.94	88.48	7498.70	-61.52	-61.52	-20.60	0.16	64.87	198.51
7600.00	0.72	101.38	7598.69	-61.62	-61.62	-19.16	0.29	64.53	197.27



Well Name: TRISTE DRAW 5 FEDERAL #1

Survey: FINAL GYRO SURVEY

Survey Date: 7/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
7700.00	0.47	107.50	7698.69	-61.87	-61.87	-18.15	0.26	64.47	196.35
7800.00	0.59	144.95	7798.68	-62.41	-62.41	-17.47	0.36	64.81	195.64
7900.00	0.37	169.13	7898.68	-63.14	-63.14	-17.11	0.30	65.42	195.17
7940.00	0.52	149.84	7938.68	-63.43	-63.43	-17.00	0.54	65.66	195.00

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

OGX RESOURCES LLC
TRISTE DRAW 5 FEDERAL #1H
LEA COUNTY, NEW MEXICO
Rig:McVAY 10

Fri Jul 02 09:58:16 2010

Coordinates

Latitude: 32.251782 N (32 deg. 15 min. 6.4152 sec.)
Longitude: 103.702562 W (-103 deg. 42 min. 9.2217 sec.)
Elevation: 3630.00 feet.
Calculation Date: Jul/02/2010

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.2137 degrees
Total Magnetic Field: 0.48713 gauss
Magnetic Declination: 7.764537 degrees
Horizontal Intensity: 0.241988 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.764537 Degr

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 695001.4000 feet
Y: 455889.3000 feet
True to Grid: (convergence) -0.336615 degrees
Magnetic to Grid: 7.427922 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.427922 Degr.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

OGX RESOURCES, LLC
TRISTE DRAW 5 FED #1H

Wed Jul 07 07:50:32 2010

Coordinates

Latitude: 32.251782 N (32 deg. 15 min. 6.4152 sec.)
Longitude: 103.702562 W (-103 deg. 42 min. 9.2217 sec.)
Elevation: 3632.00 feet.
Calculation Date: Jul/07/2010

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.2133 degrees
Total Magnetic Field: 0.48711 gauss
Magnetic Declination: 7.762866 degrees
Horizontal Intensity: 0.241984 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.762866 Degr

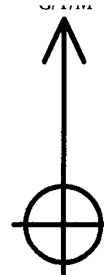
Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 695001.4000 feet
Y: 455889.3000 feet
True to Grid: (convergence) -0.336615 degrees
Magnetic to Grid: 7.426251 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.426251 Degr.



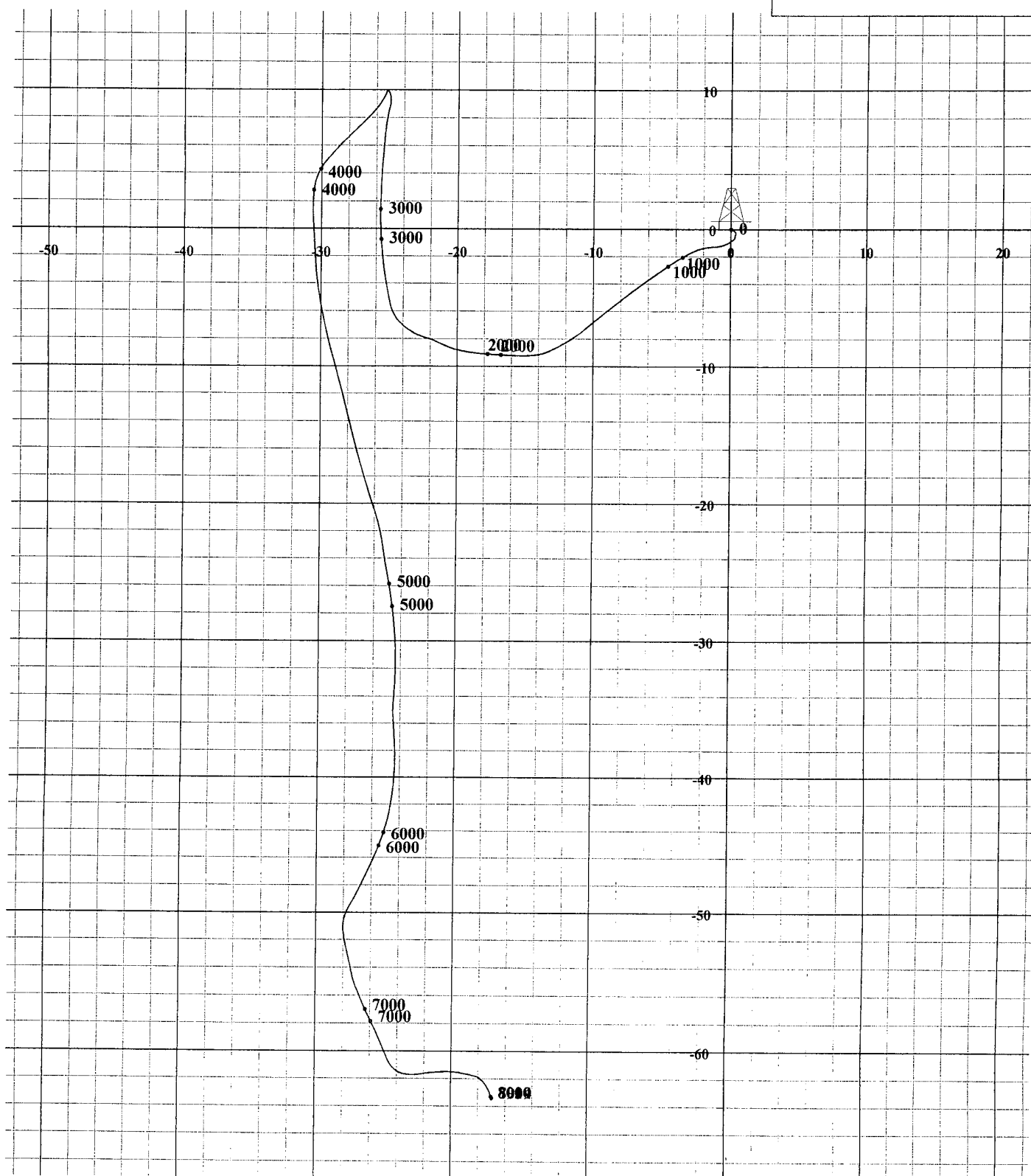
Scientific
Drilling

Field: Mesa Verde
Site: Lea County, NM
Well: Trista Draw "5" Federal #1H
Survey: 07/06/10



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date: 7/12/2010
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]