



NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 23 2018

RECEIVED



Garrett Fed Com No. 201H

Eddy County, NM

30-015-44418

October 31, 2017

Job No. LNM5149817

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

October 31, 2017



Operator Name: Matador Resources
Well Name: Garrett Fed Com No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5149817

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	141' MD – 14,505' MD	14,573' MD	09/08/17 – 10/17/17	MWD-OWSG

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com



Matador Resources

**Eddy County, NM
Garrett Fed Com
No. 201H
OH**

Survey: ProDirectional

Survey Report

31 October, 2017





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 201H
Wellbore: OH
Design: MWD-141'-14505', Proj. 14573'

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 2967.00usft
MD Reference: Well @ 2967.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project	Eddy County, NM(NAD 83)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Garrett Fed Com		
Site Position:		Northing:	429,558.00 usft
From:	Map	Easting:	640,352.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1805278
		Longitude:	-104.0132915
		Grid Convergence:	0.17 °

Well	No. 201H		
Well Position		Northing:	429,449.00 usft
		Easting:	640,113.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.1802301
		Longitude:	-104.0140650
		Ground Level:	2,938.00 usft

Wellbore	OH		
Magnetics		Declination (°)	7.15
	HDGM	Dip Angle (°)	60.02
		Field Strength (nT)	48,093.40

Design	MWD-141'-14505', Proj. 14573'		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:		Tie On Depth:	0.00
		Depth From (TVD) (usft)	
		+N/-S (usft)	0.00
		+E/-W (usft)	0.00
		Direction (°)	90.16

Survey Program	Date	10/31/2017	
From (usft)	To (usft)	Survey (Wellbore)	Description
141.00	14,573.00	Survey #1 (OH)	MWD+HDGM
			OWSG MWD + HRGM



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	429,449.00	640,113.00
141.00	0.20	38.20	141.00	0.15	0.19	0.15	0.25	38.20	429,449.19	640,113.15
Pro MWD First Survey: 141' MD										
326.00	0.40	348.30	326.00	0.22	1.08	0.22	1.10	11.57	429,450.08	640,113.22
450.00	0.80	348.70	449.99	-0.04	2.35	-0.04	2.35	359.11	429,451.35	640,112.96
539.00	0.80	337.30	538.98	-0.41	3.53	-0.41	3.56	353.58	429,452.53	640,112.60
693.00	0.40	308.50	692.97	-1.25	4.86	-1.23	5.02	345.76	429,453.86	640,111.77
784.00	0.40	284.80	783.97	-1.80	5.14	-1.79	5.44	340.81	429,454.14	640,111.21
877.00	0.40	285.30	876.97	-2.43	5.31	-2.42	5.83	335.53	429,454.31	640,110.58
972.00	1.50	275.40	971.95	-3.99	5.51	-3.97	6.80	324.21	429,454.51	640,109.03
1,068.00	3.40	263.70	1,067.86	-8.07	5.32	-8.05	9.65	303.44	429,454.32	640,104.95
1,163.00	4.90	254.10	1,162.61	-14.77	3.90	-14.76	15.26	284.80	429,452.90	640,098.24
1,258.00	5.80	247.70	1,257.20	-23.10	0.97	-23.10	23.12	272.39	429,449.97	640,089.90
1,354.00	5.30	246.10	1,352.75	-31.63	-2.67	-31.64	31.76	265.17	429,446.33	640,081.36
1,449.00	5.40	246.60	1,447.33	-39.74	-6.22	-39.76	40.24	261.10	429,442.78	640,073.24
1,543.00	5.10	255.50	1,540.94	-47.84	-9.03	-47.86	48.70	259.32	429,439.97	640,065.14
1,639.00	5.40	259.60	1,636.54	-56.40	-10.91	-56.43	57.48	259.06	429,438.09	640,056.57
1,734.00	5.50	257.70	1,731.11	-65.24	-12.69	-65.28	66.50	259.00	429,436.31	640,047.72
1,830.00	4.60	259.40	1,826.74	-73.52	-14.38	-73.56	74.95	258.94	429,434.62	640,039.44
1,924.00	3.10	258.70	1,920.52	-79.71	-15.57	-79.76	81.26	258.96	429,433.43	640,033.24
2,020.00	1.30	244.20	2,016.45	-83.24	-16.55	-83.28	84.91	258.76	429,432.45	640,029.72
2,115.00	2.10	259.70	2,111.40	-85.92	-17.33	-85.97	87.70	258.60	429,431.67	640,027.03
2,210.00	4.00	281.20	2,206.27	-90.88	-17.00	-90.93	92.50	259.41	429,432.00	640,022.07
2,306.00	4.30	282.30	2,302.02	-97.69	-15.58	-97.73	98.96	260.94	429,433.42	640,015.27
2,401.00	3.80	265.20	2,396.78	-104.30	-15.09	-104.35	105.43	261.77	429,433.91	640,008.65
2,496.00	4.70	246.80	2,491.52	-111.01	-16.88	-111.06	112.34	261.36	429,432.12	640,001.94
2,592.00	6.00	243.80	2,587.10	-119.12	-20.65	-119.18	120.95	260.17	429,428.35	639,993.82



ProDirectional Survey Report



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Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 201H
Wellbore: OH
Design: MWD-141'-14505', Proj. 14573

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 2967.00usft
MD Reference: Well @ 2967.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
2,686.00	5.70	241.20	2,680.62	-127.61	-25.07	-127.68	130.11	258.89	429,423.93	639,985.32
2,782.00	5.10	240.20	2,776.19	-135.48	-29.48	-135.56	138.73	257.73	429,419.52	639,977.44
2,839.00	4.70	240.90	2,832.98	-139.71	-31.88	-139.80	143.39	257.15	429,417.12	639,973.20
2,973.00	5.40	259.40	2,966.47	-150.69	-35.71	-150.79	154.96	256.68	429,413.29	639,962.21
3,068.00	5.80	262.60	3,061.01	-159.84	-37.15	-159.95	164.20	256.92	429,411.85	639,953.05
3,163.00	5.80	263.00	3,155.53	-169.36	-38.35	-169.47	173.76	257.25	429,410.65	639,943.53
3,258.00	8.00	260.10	3,249.84	-180.64	-40.07	-180.75	185.14	257.50	429,408.93	639,932.25
3,353.00	8.50	259.50	3,343.85	-194.05	-42.49	-194.17	198.76	257.66	429,406.51	639,918.83
3,448.00	8.40	257.70	3,437.82	-207.72	-45.25	-207.85	212.72	257.72	429,403.75	639,905.15
3,544.00	8.50	259.10	3,532.78	-221.53	-48.08	-221.67	226.82	257.76	429,400.92	639,891.33
3,639.00	8.40	257.60	3,626.75	-235.19	-50.90	-235.34	240.78	257.80	429,398.10	639,877.66
3,734.00	7.80	256.20	3,720.80	-248.22	-53.93	-248.38	254.16	257.75	429,395.07	639,864.62
3,830.00	7.50	255.60	3,815.94	-260.61	-57.04	-260.77	266.94	257.66	429,391.96	639,852.23
3,925.00	7.40	255.30	3,910.14	-272.52	-60.13	-272.69	279.24	257.56	429,388.87	639,840.31
4,020.00	7.40	255.60	4,004.35	-284.36	-63.21	-284.54	291.47	257.48	429,385.79	639,828.46
4,115.00	7.60	256.00	4,098.54	-296.37	-66.25	-296.56	303.87	257.41	429,382.75	639,816.44
4,210.00	7.40	256.00	4,192.73	-308.39	-69.25	-308.59	316.26	257.35	429,379.75	639,804.41
4,305.00	7.20	255.00	4,286.96	-320.07	-72.27	-320.28	328.33	257.28	429,376.73	639,792.72
4,401.00	6.80	254.90	4,382.24	-331.36	-75.31	-331.57	340.02	257.20	429,373.69	639,781.43
4,496.00	6.60	255.50	4,476.59	-342.07	-78.14	-342.29	351.09	257.14	429,370.86	639,770.71
4,592.00	6.50	253.90	4,571.96	-352.62	-81.03	-352.85	362.03	257.07	429,367.97	639,760.15
4,687.00	6.50	255.10	4,666.35	-362.98	-83.90	-363.21	372.78	256.99	429,365.10	639,749.79
4,782.00	6.60	254.70	4,760.73	-373.43	-86.72	-373.68	383.61	256.93	429,362.28	639,739.32
4,878.00	6.50	253.50	4,856.11	-383.96	-89.72	-384.21	394.54	256.86	429,359.28	639,728.79
4,973.00	6.30	254.50	4,950.52	-394.13	-92.64	-394.39	405.12	256.78	429,356.36	639,718.61
5,067.00	6.30	253.20	5,043.95	-404.02	-95.51	-404.29	415.42	256.71	429,353.49	639,708.71
5,163.00	6.20	253.30	5,139.38	-414.02	-98.53	-414.30	425.85	256.62	429,350.47	639,698.70



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Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	5,258.00	6.00	251.70	5,233.84	-423.64	-101.56	-423.93	435.92	256.53	429,347.44	639,689.07
	5,353.00	5.60	253.10	5,328.35	-432.78	-104.46	-433.08	445.50	256.44	429,344.54	639,679.92
	5,449.00	5.10	253.90	5,423.93	-441.36	-107.01	-441.66	454.44	256.38	429,341.99	639,671.34
	5,544.00	5.20	253.10	5,518.55	-449.53	-109.43	-449.83	462.95	256.33	429,339.57	639,663.17
	5,639.00	4.80	252.80	5,613.19	-457.44	-111.86	-457.75	471.22	256.27	429,337.14	639,655.25
	5,734.00	4.60	252.10	5,707.87	-464.85	-114.21	-465.17	478.99	256.21	429,334.79	639,647.83
	5,830.00	4.00	251.90	5,803.60	-471.69	-116.43	-472.02	486.17	256.14	429,332.57	639,640.98
	5,925.00	4.00	247.90	5,898.37	-477.91	-118.70	-478.24	492.75	256.06	429,330.30	639,634.76
	6,021.00	3.80	247.40	5,994.15	-483.94	-121.19	-484.28	499.21	255.95	429,327.81	639,628.72
	6,116.00	3.50	243.70	6,088.95	-489.44	-123.68	-489.78	505.16	255.83	429,325.32	639,623.22
	6,211.00	3.30	238.10	6,183.79	-494.35	-126.41	-494.70	510.60	255.67	429,322.59	639,618.30
	6,307.00	3.20	235.20	6,279.63	-498.89	-129.40	-499.25	515.75	255.47	429,319.60	639,613.75
	6,401.00	2.40	253.90	6,373.52	-502.93	-131.44	-503.30	520.18	255.36	429,317.56	639,609.70
	6,496.00	2.40	259.60	6,468.44	-506.79	-132.35	-507.16	524.15	255.37	429,316.65	639,605.84
	6,592.00	1.70	252.00	6,564.38	-510.12	-133.16	-510.49	527.58	255.38	429,315.84	639,602.51
	6,687.00	1.60	266.50	6,659.34	-512.78	-133.67	-513.16	530.28	255.40	429,315.33	639,599.84
	6,783.00	1.60	280.40	6,755.30	-515.44	-133.51	-515.81	532.81	255.49	429,315.49	639,597.19
	6,878.00	1.70	275.00	6,850.26	-518.15	-133.15	-518.52	535.35	255.60	429,315.85	639,594.48
	6,974.00	0.80	43.60	6,946.25	-519.11	-132.54	-519.48	536.12	255.69	429,316.46	639,593.52
	7,069.00	0.40	3.40	7,041.24	-518.63	-131.73	-519.00	535.46	255.76	429,317.27	639,594.00
	7,164.00	0.80	345.50	7,136.24	-518.78	-130.76	-519.15	535.36	255.86	429,318.24	639,593.85
	7,260.00	2.30	302.60	7,232.20	-520.58	-129.07	-520.94	536.69	256.08	429,319.93	639,592.06
	7,355.00	2.20	297.20	7,327.13	-523.81	-127.21	-524.17	539.38	256.36	429,321.79	639,588.83
	7,450.00	1.60	194.10	7,422.10	-525.75	-127.66	-526.11	541.38	256.36	429,321.34	639,586.89
	7,545.00	2.00	137.20	7,517.06	-524.94	-130.17	-525.31	541.20	256.08	429,318.83	639,587.69
	7,640.00	2.90	108.40	7,611.97	-521.53	-132.14	-521.90	538.37	255.79	429,316.86	639,591.10
	7,736.00	2.60	126.00	7,707.86	-517.46	-134.19	-517.84	534.94	255.47	429,314.81	639,595.16



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Survey

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7,830.00	3.70	141.00	7,801.72	-513.82	-137.80	-514.20	532.35	255.00	429,311.20	639,598.80
7,925.00	1.90	118.00	7,896.61	-510.49	-140.92	-510.88	529.96	254.58	429,308.08	639,602.12
8,021.00	1.20	123.00	7,992.57	-508.24	-142.21	-508.63	528.14	254.38	429,306.79	639,604.37
8,116.00	2.00	165.40	8,087.54	-506.98	-144.36	-507.38	527.52	254.12	429,304.64	639,605.62
8,212.00	2.30	170.10	8,183.47	-506.21	-147.88	-506.63	527.77	253.73	429,301.12	639,606.37
8,307.00	1.10	123.00	8,278.43	-505.11	-150.25	-505.54	527.39	253.45	429,298.75	639,607.46
8,402.00	0.90	114.80	8,373.41	-503.67	-151.06	-504.09	526.24	253.32	429,297.94	639,608.91
8,497.00	1.70	62.90	8,468.39	-501.74	-150.73	-502.16	524.30	253.29	429,298.27	639,610.84
8,593.00	2.00	66.00	8,564.34	-498.95	-149.40	-499.36	521.24	253.34	429,299.60	639,613.64
8,688.00	0.70	63.20	8,659.31	-496.92	-148.47	-497.33	519.02	253.38	429,300.53	639,615.67
8,783.00	0.60	29.70	8,754.31	-496.15	-147.77	-496.57	518.09	253.43	429,301.23	639,616.43
8,878.00	0.40	358.60	8,849.30	-495.92	-147.01	-496.33	517.64	253.50	429,301.99	639,616.67
8,973.00	0.00	69.90	8,944.30	-495.93	-146.68	-496.34	517.56	253.54	429,302.32	639,616.66
9,069.00	0.20	136.30	9,040.30	-495.81	-146.80	-496.22	517.48	253.52	429,302.20	639,616.78
9,164.00	0.30	197.40	9,135.30	-495.77	-147.16	-496.18	517.54	253.48	429,301.84	639,616.82
9,268.00	5.00	107.80	9,239.17	-491.53	-148.80	-491.95	513.96	253.17	429,300.20	639,621.05
9,315.00	10.30	101.90	9,285.74	-485.46	-150.30	-485.88	508.59	252.81	429,298.70	639,627.12
9,364.00	12.50	104.50	9,333.77	-476.03	-152.53	-476.46	500.28	252.25	429,296.47	639,636.54
9,459.00	18.80	102.40	9,425.20	-451.08	-158.40	-451.53	478.51	250.67	429,290.60	639,661.47
9,554.00	28.80	99.60	9,512.01	-413.45	-165.52	-413.92	445.79	248.20	429,283.48	639,699.08
9,649.00	37.80	103.50	9,591.34	-362.44	-176.15	-362.94	403.43	244.11	429,272.85	639,750.06
9,745.00	42.60	101.20	9,664.65	-301.89	-189.34	-302.42	356.80	237.95	429,259.66	639,810.58
9,840.00	51.90	97.70	9,729.07	-233.11	-200.62	-233.68	307.98	229.35	429,248.38	639,879.32
9,935.00	63.20	93.90	9,779.98	-153.47	-208.54	-154.05	259.27	216.45	429,240.46	639,958.95
10,030.00	73.20	86.30	9,815.26	-65.46	-208.49	-66.04	218.70	197.58	429,240.51	640,046.96
10,109.00	76.30	86.90	9,836.04	10.60	-203.97	10.03	204.22	177.18	429,245.03	640,123.03
10,174.00	77.40	85.20	9,850.82	73.73	-199.61	73.17	212.60	159.87	429,249.39	640,186.17



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Site: Garrett Fed Com
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Wellbore: OH
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Local Co-ordinate Reference: Well No. 201H
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Database: WellPlanner1

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	10,205.00	81.80	86.30	9,856.42	104.12	-197.35	103.57	222.88	152.31	429,251.65	640,216.57
	10,237.00	85.20	86.30	9,860.04	135.84	-195.30	135.30	237.59	145.29	429,253.70	640,248.30
	10,268.00	87.30	86.40	9,862.07	166.70	-193.33	166.17	254.93	139.32	429,255.67	640,279.17
	10,332.00	89.80	86.90	9,863.69	230.56	-189.59	230.03	298.09	129.50	429,259.41	640,343.03
	10,426.00	89.60	86.60	9,864.18	324.39	-184.27	323.88	372.63	119.64	429,264.73	640,436.88
	10,521.00	87.70	85.80	9,866.42	419.13	-177.97	418.64	454.90	113.03	429,271.03	640,531.64
	10,615.00	90.20	86.20	9,868.14	512.86	-171.42	512.39	540.30	108.50	429,277.58	640,625.39
	10,710.00	88.40	86.20	9,869.30	607.62	-165.12	607.17	629.22	105.21	429,283.88	640,720.17
	10,804.00	88.40	87.80	9,871.93	701.44	-160.20	701.00	719.07	102.87	429,288.80	640,814.00
	10,899.00	90.70	89.90	9,872.67	796.40	-158.30	795.96	811.55	101.25	429,290.70	640,908.96
	10,993.00	85.40	88.50	9,875.87	890.30	-156.99	889.86	903.61	100.01	429,292.01	641,002.86
	11,088.00	86.40	89.20	9,882.66	985.03	-155.09	984.60	996.74	98.95	429,293.91	641,097.60
	11,182.00	87.30	89.90	9,887.83	1,078.88	-154.35	1,078.45	1,089.44	98.14	429,294.65	641,191.45
	11,276.00	87.70	89.50	9,891.93	1,172.79	-153.86	1,172.36	1,182.42	97.48	429,295.14	641,285.36
	11,371.00	87.30	89.30	9,896.07	1,267.69	-152.86	1,267.27	1,276.45	96.88	429,296.14	641,380.27
	11,465.00	89.40	88.90	9,898.78	1,361.63	-151.39	1,361.21	1,369.60	96.35	429,297.61	641,474.21
	11,559.00	90.10	89.00	9,899.19	1,455.61	-149.67	1,455.19	1,462.87	95.87	429,299.33	641,568.19
	11,654.00	88.30	87.70	9,900.51	1,550.54	-146.93	1,550.14	1,557.09	95.41	429,302.07	641,663.14
	11,748.00	93.80	89.90	9,898.79	1,644.46	-144.96	1,644.06	1,650.44	95.04	429,304.04	641,757.06
	11,843.00	93.00	88.90	9,893.16	1,739.28	-143.97	1,738.89	1,744.84	94.73	429,305.03	641,851.89
	11,938.00	90.60	88.80	9,890.17	1,834.20	-142.06	1,833.81	1,839.31	94.43	429,306.94	641,946.81
	12,032.00	90.20	88.30	9,889.52	1,928.16	-139.68	1,927.78	1,932.83	94.14	429,309.32	642,040.78
	12,127.00	89.90	87.10	9,889.43	2,023.07	-135.87	2,022.70	2,027.26	93.84	429,313.13	642,135.70
	12,221.00	89.10	89.20	9,890.26	2,117.01	-132.84	2,116.64	2,120.81	93.59	429,316.16	642,229.64
	12,316.00	87.50	89.80	9,893.07	2,211.95	-132.01	2,211.59	2,215.53	93.42	429,316.99	642,324.59
	12,410.00	87.30	89.00	9,897.34	2,305.85	-131.03	2,305.49	2,309.21	93.25	429,317.97	642,418.49
	12,506.00	88.00	88.80	9,901.27	2,401.74	-129.18	2,401.39	2,404.86	93.08	429,319.82	642,514.39



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM(NAD 83)
Site: Garrett Fed Com
Well: No. 201H
Wellbore: OH
Design: MWD-141'-14505', Proj. 14573

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 2967.00usft
MD Reference: Well @ 2967.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	12,601.00	87.40	88.30	9,905.09	2,496.63	-126.78	2,496.28	2,499.50	92.91	429,322.22	642,609.28
	12,694.00	86.40	88.20	9,910.12	2,589.44	-123.95	2,589.10	2,592.07	92.74	429,325.05	642,702.10
	12,789.00	87.70	88.40	9,915.00	2,684.26	-121.13	2,683.93	2,686.67	92.58	429,327.87	642,796.93
	12,883.00	90.60	90.50	9,916.40	2,778.23	-120.23	2,777.90	2,780.50	92.48	429,328.77	642,890.90
	12,977.00	90.90	91.30	9,915.17	2,872.21	-121.71	2,871.88	2,874.46	92.43	429,327.29	642,984.88
	13,071.00	88.30	90.10	9,915.82	2,966.20	-122.86	2,965.86	2,968.41	92.37	429,326.14	643,078.86
	13,166.00	87.70	89.90	9,919.14	3,061.14	-122.86	3,060.81	3,063.27	92.30	429,326.14	643,173.81
	13,261.00	87.30	90.10	9,923.28	3,156.05	-122.86	3,155.72	3,158.11	92.23	429,326.14	643,268.72
	13,354.00	88.90	90.20	9,926.37	3,248.99	-123.10	3,248.66	3,250.99	92.17	429,325.90	643,361.66
	13,448.00	87.70	90.20	9,929.16	3,342.95	-123.43	3,342.62	3,344.90	92.11	429,325.57	643,455.62
	13,542.00	90.00	92.90	9,931.04	3,436.89	-125.97	3,436.55	3,438.86	92.10	429,323.03	643,549.55
	13,637.00	88.90	94.10	9,931.95	3,531.72	-131.77	3,531.36	3,533.82	92.14	429,317.23	643,644.36
	13,731.00	88.70	93.20	9,933.92	3,625.52	-137.75	3,625.15	3,627.77	92.18	429,311.25	643,738.15
	13,826.00	88.80	94.50	9,936.00	3,720.30	-144.13	3,719.91	3,722.70	92.22	429,304.87	643,832.91
	13,919.00	88.50	93.40	9,938.19	3,813.07	-150.53	3,812.66	3,815.64	92.26	429,298.47	643,925.66
	14,014.00	88.90	92.70	9,940.34	3,907.92	-155.59	3,907.51	3,910.60	92.28	429,293.41	644,020.51
	14,108.00	88.50	91.00	9,942.48	4,001.86	-158.62	4,001.43	4,004.57	92.27	429,290.38	644,114.43
	14,203.00	89.90	92.70	9,943.80	4,096.80	-161.69	4,096.36	4,099.55	92.26	429,287.31	644,209.36
	14,297.00	89.80	93.70	9,944.05	4,190.67	-166.93	4,190.22	4,193.54	92.28	429,282.07	644,303.22
	14,392.00	89.70	95.30	9,944.46	4,285.39	-174.39	4,284.92	4,288.47	92.33	429,274.61	644,397.92
	14,486.00	87.40	95.80	9,946.84	4,378.94	-183.47	4,378.44	4,382.28	92.40	429,265.53	644,491.44
	14,505.00	88.40	96.70	9,947.54	4,397.82	-185.54	4,397.32	4,401.23	92.42	429,263.46	644,510.32
Last Survey: 14505' MD											
	14,573.00	88.40	96.70	9,949.44	4,465.35	-193.47	4,464.82	4,469.01	92.48	429,255.53	644,577.82
PTB: 14573' MD											



ProDirectional Survey Report



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Local Co-ordinate Reference: Well No. 201H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates	
		+N/-S (usft)	+E/-W (usft)
141.00	141.00	0.19	0.15
14,505.00	9,947.54	-185.54	4,397.32
14,573.00	9,949.44	-193.47	4,464.82
			Pro MWD First Survey: 141' MD
			Last Survey: 14505' MD
			PTB: 14573' MD