



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
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Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: September 13, 2015

Attention: Garrett Glaze

15-43322

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 25 2016

Re: Devon Energy
Well: Emerald PWU 20 10H
Eddy County, New Mexico

RECEIVED

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Justin Nguyen MWD Supervisor	10H	3236 MD 13631 MD	10/1/2015 10/10/2015	Measurement While Drilling

A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

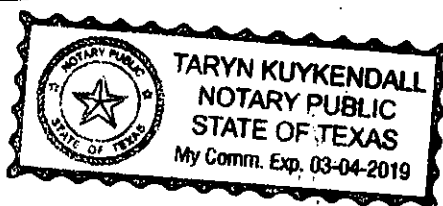
JZ

Jonathan Leger
MWD Ops Coordinator

On this, the 13th day of October, 2015, before me a notary public, the undersigned officer, personally appeared Jonathan Leger, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



FEB 25 2016

RECEIVED



5D Survey Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*

Site Name: *Emerald PWU 20 10H*

Well Name: *Emerald PWU 20 10H*

Survey: *Definitive survey*

12 October 2015





Emerald PWU 20 10H

Field Name: Eddy Co, NM (Nad 83 NME)	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Emerald PWU 20 10H	Units: US ft		North Reference: Grid	
			Convergence Angle: 0.12	
	Position:	Northing: 599206.70US ft		Latitude: 32° 38' 49.41"
		Easting: 611715.50US ft		Longitude: -104° 6' 16.84"
Elevation above MSL: 3339.00 US ft				
Comment:				
Slot: Emerald PWU 20 10H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 599206.70US ft	Latitude: 32°38'49.41"	
	+E/-W: 0.00US ft	Easting: 611715.50US ft	Longitude: -104°6'16.84"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3339.00US ft			
	Comment:			
Well: Emerald PWU 20 10H	Type: Main well		UWI:	
	File Number:	Comment:		
	Closure Distance: 4727.96US ft		Closure Azimuth: 88.17°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 90.05°	
	Comment:			
Drill floor: Survey Name: Definitive Survey				
Rig Height (Kelly Bushing): Elevation above MSL: 25.00us ft 3364.00us ft Inclination: 0.00° Azimuth: 0.00°				

Survey Name: Definitive Survey

Date: 17/Aug/2015 **Survey Tool:** See Survey Tool Ranges below. **Comment:** **Company:**

Magnetic Model:

Model Name: BGGM **Date:** 30/Oct/2015 **Field Strength:** 48399.0nT **Declination:** 7.53° **Dip:** 60.42°

Tie Point:

MD: 0.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** -0.00 US ft **North Offset:** 0.00 US ft **East Offset:** 0.00 US ft

Survey Tool Ranges:

Name	Start MD(USFt)	End MD(USFt)	Source Survey
NSG Cont	0.00	3153.00	Gyras
MWD	3153.00	13715.00	Wft MWD Svys

Wellpath created using minimum curvature.

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00	599206.70	611715.50	
92.58	0.81	181.55	92.58	-0.65	-0.02	-0.02	0.87	599206.05	611715.48	
185.32	0.86	191.56	185.31	-1.99	-0.17	-0.17	0.17	599204.71	611715.33	
278.06	0.88	197.81	278.04	-3.35	-0.53	-0.53	0.10	599203.35	611714.97	
370.80	0.70	184.71	370.77	-4.59	-0.80	-0.79	0.27	599202.11	611714.70	
463.54	0.65	183.73	463.50	-5.68	-0.88	-0.87	0.06	599201.02	611714.62	
556.28	0.67	184.18	556.24	-6.75	-0.95	-0.95	0.02	599199.95	611714.55	
649.02	0.48	173.79	648.97	-7.68	-0.95	-0.94	0.23	599199.02	611714.55	
741.76	0.66	159.58	741.71	-8.56	-0.72	-0.71	0.25	599198.14	611714.78	
834.50	0.73	148.76	834.44	-9.57	-0.23	-0.22	0.16	599197.13	611715.27	
927.24	0.64	143.70	927.17	-10.49	0.39	0.39	0.12	599196.21	611715.89	
1019.98	0.61	147.23	1019.91	-11.32	0.96	0.97	0.05	599195.38	611716.46	
1112.72	0.62	152.92	1112.64	-12.19	1.46	1.47	0.07	599194.51	611716.96	
1205.46	0.50	171.90	1205.38	-13.03	1.74	1.75	0.24	599193.67	611717.24	
1298.20	0.37	187.39	1298.11	-13.73	1.76	1.77	0.19	599192.97	611717.26	
1390.94	0.38	197.13	1390.85	-14.32	1.63	1.64	0.07	599192.38	611717.13	
1483.68	0.73	194.30	1483.59	-15.19	1.39	1.41	0.38	599191.51	611716.89	
1576.42	1.10	188.03	1576.32	-16.64	1.12	1.14	0.41	599190.06	611716.62	
1669.16	1.25	178.82	1669.04	-18.53	1.02	1.04	0.26	599188.17	611716.52	
1761.90	1.31	186.18	1761.75	-20.60	0.93	0.94	0.19	599186.10	611716.43	
1854.64	1.23	190.34	1854.47	-22.63	0.63	0.65	0.13	599184.07	611716.13	
1947.38	1.12	200.22	1947.19	-24.46	0.14	0.16	0.25	599182.24	611715.64	
2040.12	1.06	203.14	2039.91	-26.10	-0.51	-0.49	0.09	599180.60	611714.99	
2132.86	1.01	207.76	2132.64	-27.61	-1.23	-1.20	0.10	599179.09	611714.27	
2225.60	0.99	207.42	2225.37	-29.05	-1.98	-1.95	0.02	599177.65	611713.52	
2318.34	0.94	210.32	2318.09	-30.42	-2.73	-2.70	0.08	599176.28	611712.77	
2411.08	0.87	210.26	2410.82	-31.68	-3.47	-3.44	0.08	599175.02	611712.03	
2503.82	0.89	213.06	2503.55	-32.89	-4.22	-4.19	0.05	599173.81	611711.28	
2596.56	0.78	207.09	2596.28	-34.06	-4.90	-4.87	0.15	599172.64	611710.60	
2689.30	0.74	198.30	2689.01	-35.19	-5.37	-5.34	0.13	599171.51	611710.13	
2782.04	0.73	203.28	2781.74	-36.30	-5.79	-5.76	0.07	599170.40	611709.71	
2874.78	0.74	193.86	2874.48	-37.42	-6.17	-6.14	0.13	599169.28	611709.33	
2967.52	0.98	230.43	2967.21	-38.51	-6.92	-6.89	0.63	599168.19	611708.58	
3060.26	0.80	206.85	3059.94	-39.59	-7.83	-7.79	0.44	599167.11	611707.67	
3153.00	0.80	200.74	3152.67	-40.78	-8.35	-8.31	0.09	599165.92	611707.15	Tie-on Rig
3236.00	0.95	195.98	3235.66	-41.98	-8.74	-8.71	0.20	599164.72	611706.76	First Wft Svy
3299.00	1.07	195.20	3298.65	-43.05	-9.04	-9.01	0.19	599163.65	611706.46	
3395.00	1.12	199.75	3394.63	-44.80	-9.60	-9.56	0.10	599161.90	611705.90	
3490.00	1.26	198.70	3489.61	-46.66	-10.24	-10.20	0.15	599160.04	611705.26	
3585.00	0.47	182.49	3584.60	-48.04	-10.60	-10.55	0.86	599158.66	611704.90	
3680.00	0.30	144.80	3679.60	-48.63	-10.47	-10.43	0.31	599158.07	611705.03	
3775.00	0.21	192.21	3774.59	-49.01	-10.36	-10.32	0.23	599157.69	611705.14	
3870.00	0.69	248.82	3869.59	-49.38	-10.93	-10.89	0.63	599157.32	611704.57	
3965.00	1.31	247.70	3964.58	-50.00	-12.47	-12.43	0.65	599156.70	611703.03	
4060.00	1.28	290.19	4059.55	-50.05	-14.47	-14.43	0.99	599156.65	611701.03	
4155.00	1.69	310.37	4154.52	-48.77	-16.53	-16.49	0.69	599157.93	611698.97	
4251.00	1.92	306.25	4250.48	-46.91	-18.91	-18.87	0.27	599159.79	611696.59	
4346.00	2.28	300.41	4345.41	-45.01	-21.82	-21.78	0.44	599161.69	611693.68	
4442.00	2.82	293.34	4441.32	-43.11	-25.64	-25.60	0.65	599163.59	611689.86	
4536.00	2.98	291.38	4535.20	-41.30	-30.04	-30.00	0.20	599165.40	611685.46	
4632.00	3.15	290.11	4631.06	-39.48	-34.84	-34.80	0.19	599167.22	611680.66	
4727.00	3.12	291.60	4725.92	-37.63	-39.69	-39.66	0.09	599169.07	611675.81	
4822.00	3.02	294.44	4820.78	-35.65	-44.37	-44.34	0.19	599171.05	611671.13	
4917.00	3.07	293.63	4915.65	-33.59	-48.98	-48.95	0.07	599173.11	611666.52	
5011.00	3.77	298.71	5009.48	-31.10	-54.00	-53.97	0.81	599175.60	611661.50	
5106.00	4.67	302.20	5104.22	-27.54	-60.01	-59.99	0.98	599179.16	611655.49	
5202.00	5.01	311.75	5199.88	-22.66	-66.45	-66.43	0.91	599184.04	611649.05	
5297.00	5.25	312.72	5294.50	-16.95	-72.73	-72.72	0.27	599189.75	611642.77	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
5392.00	5.30	313.47	5389.10	-10.98	-79.11	-79.10	0.09	599195.72	611636.39	
5487.00	5.23	313.80	5483.70	-4.97	-85.42	-85.42	0.08	599201.73	611630.08	
5583.00	5.09	315.04	5579.31	1.07	-91.59	-91.59	0.19	599207.77	611623.91	
5678.00	4.69	316.90	5673.96	6.89	-97.22	-97.23	0.45	599213.59	611618.28	
5772.00	4.91	319.81	5767.63	12.77	-102.44	-102.45	0.35	599219.47	611613.06	
5867.00	4.59	319.64	5862.30	18.77	-107.53	-107.54	0.34	599225.47	611607.97	
5962.00	4.90	314.37	5956.98	24.51	-112.89	-112.91	0.56	599231.21	611602.61	
6058.00	5.71	311.17	6052.57	30.52	-119.41	-119.44	0.90	599237.22	611596.09	
6153.00	5.40	306.73	6147.12	36.30	-126.55	-126.59	0.56	599243.00	611588.95	
6249.00	5.59	306.24	6242.68	41.77	-133.95	-133.98	0.20	599248.47	611581.55	
6344.00	5.42	305.97	6337.24	47.14	-141.31	-141.35	0.18	599253.84	611574.19	
6439.00	5.36	306.87	6431.82	52.43	-148.49	-148.54	0.11	599259.13	611567.01	
6534.00	5.43	308.78	6526.40	57.91	-155.54	-155.59	0.20	599264.61	611559.96	
6629.00	5.35	301.99	6620.98	63.07	-162.80	-162.86	0.68	599269.77	611552.70	
6724.00	5.15	302.39	6715.58	67.70	-170.16	-170.22	0.21	599274.40	611545.34	
6819.00	4.33	299.85	6810.26	71.77	-176.87	-176.93	0.89	599278.47	611538.63	
6912.00	4.42	305.64	6902.99	75.61	-182.83	-182.89	0.48	599282.31	611532.67	
7006.00	4.28	303.24	6996.72	79.64	-188.71	-188.78	0.24	599286.34	611526.79	
7101.00	5.50	306.28	7091.37	84.28	-195.34	-195.42	1.31	599290.98	611520.16	
7196.00	5.91	304.73	7185.90	89.76	-203.03	-203.11	0.46	599296.46	611512.47	
7291.00	5.87	313.50	7280.40	95.89	-210.57	-210.66	0.95	599302.59	611504.93	
7387.00	5.36	304.00	7375.94	101.78	-217.85	-217.94	1.10	599308.48	611497.65	
7483.00	4.59	292.16	7471.58	105.73	-225.13	-225.22	1.33	599312.43	611490.37	
7578.00	4.37	304.64	7566.29	109.22	-231.63	-231.72	1.05	599315.92	611483.87	
7672.00	3.48	317.72	7660.07	113.37	-236.49	-236.59	1.34	599320.07	611479.01	
7767.00	2.25	327.95	7754.95	117.08	-239.42	-239.52	1.40	599323.78	611476.08	
7861.00	1.35	339.44	7848.91	119.69	-240.79	-240.89	1.03	599326.39	611474.71	
7957.00	1.04	19.48	7944.89	121.57	-240.90	-241.00	0.90	599328.27	611474.60	
8052.00	0.66	59.70	8039.88	122.65	-240.14	-240.24	0.72	599329.35	611475.36	
8147.00	0.78	51.34	8134.87	123.33	-239.16	-239.27	0.17	599330.03	611476.34	
8243.00	0.65	86.31	8230.86	123.78	-238.11	-238.21	0.47	599330.48	611477.39	
8338.00	0.49	157.03	8325.86	123.44	-237.41	-237.52	0.71	599330.14	611478.09	
8380.00	0.29	139.97	8367.86	123.19	-237.27	-237.38	0.55	599329.89	611478.23	
8432.00	0.16	130.34	8419.86	123.04	-237.13	-237.24	0.26	599329.74	611478.37	
8463.00	2.75	87.16	8450.84	123.05	-236.36	-236.46	8.50	599329.75	611479.14	
8495.00	6.78	87.66	8482.73	123.17	-233.70	-233.81	12.59	599329.87	611481.80	
8527.00	10.74	87.27	8514.35	123.39	-228.83	-228.94	12.38	599330.09	611486.67	
8574.00	17.09	85.04	8559.95	124.19	-217.57	-217.67	13.56	599330.89	611497.93	
8622.00	22.02	86.26	8605.16	125.39	-201.55	-201.66	10.31	599332.09	611513.95	
8669.00	27.28	88.39	8647.87	126.27	-181.98	-182.09	11.35	599332.97	611533.52	
8717.00	30.66	91.66	8689.86	126.22	-158.74	-158.85	7.77	599332.92	611556.76	
8764.00	34.12	96.35	8729.54	124.42	-133.65	-133.76	9.09	599331.12	611581.85	
8811.00	37.01	95.40	8767.77	121.63	-106.46	-106.57	6.26	599328.33	611609.04	
8858.00	39.85	93.85	8804.59	119.29	-77.34	-77.45	6.38	599325.99	611638.16	
8906.00	45.06	91.78	8839.99	117.72	-45.00	-45.10	11.24	599324.42	611670.50	
8953.00	51.70	92.95	8871.19	116.26	-9.91	-10.01	14.25	599322.96	611705.59	
9001.00	57.04	93.31	8899.15	114.12	29.03	28.93	11.14	599320.82	611744.53	
9020.00	59.53	93.21	8909.13	113.20	45.16	45.07	13.11	599319.90	611760.66	Cross Prod Box
9048.00	63.20	93.07	8922.55	111.86	69.70	69.60	13.11	599318.56	611785.20	
9095.00	67.26	92.84	8942.24	109.66	112.31	112.21	8.65	599316.36	611827.81	
9142.00	73.16	91.13	8958.14	108.14	156.49	156.39	13.01	599314.84	611871.99	
9190.00	78.36	89.99	8969.95	107.69	202.99	202.90	11.08	599314.39	611918.49	
9214.00	81.57	88.93	8974.13	107.92	226.62	226.53	14.06	599314.62	611942.12	
9309.00	93.15	87.48	8978.50	110.89	321.31	321.21	12.28	599317.59	612036.81	
9404.00	92.38	88.02	8973.91	114.61	416.12	416.02	0.99	599321.31	612131.62	
9499.00	90.56	88.92	8971.48	117.15	511.05	510.95	2.14	599323.85	612226.55	
9594.00	89.79	89.14	8971.19	118.76	606.04	605.93	0.84	599325.46	612321.54	
9689.00	89.30	89.37	8971.94	119.99	701.03	700.92	0.57	599326.69	612416.53	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
9783.00	88.95	89.46	8973.38	120.95	795.01	794.91	0.38	599327.65	612510.51	
9878.00	89.51	89.98	8974.65	121.42	890.00	889.89	0.80	599328.12	612605.50	
9972.00	88.60	90.63	8976.20	120.92	983.99	983.88	1.19	599327.62	612699.49	
10067.00	89.16	90.59	8978.06	119.91	1078.96	1078.86	0.59	599326.61	612794.46	
10162.00	91.40	89.30	8977.60	120.00	1173.95	1173.85	2.72	599326.70	612889.45	
10257.00	91.75	89.02	8974.99	121.39	1268.91	1268.80	0.47	599328.09	612984.41	
10353.00	89.93	89.05	8973.58	123.01	1364.88	1364.77	1.90	599329.71	613080.38	
10448.00	88.60	90.46	8974.80	123.41	1459.86	1459.76	2.04	599330.11	613175.36	
10544.00	90.35	88.64	8975.68	124.17	1555.85	1555.74	2.63	599330.87	613271.35	
10639.00	90.63	88.48	8974.86	126.55	1650.82	1650.71	0.34	599333.25	613366.32	
10734.00	90.70	88.37	8973.76	129.16	1745.77	1745.66	0.14	599335.86	613461.27	
10830.00	89.23	89.81	8973.82	130.69	1841.76	1841.64	2.14	599337.39	613557.26	
10925.00	89.44	90.60	8974.92	130.35	1936.75	1936.63	0.86	599337.05	613652.25	
11019.00	88.39	90.31	8976.70	129.60	2030.73	2030.61	1.16	599336.30	613746.23	
11114.00	88.04	90.78	8979.66	128.70	2125.68	2125.56	0.62	599335.40	613841.18	
11209.00	89.16	89.95	8981.98	128.09	2220.64	2220.53	1.47	599334.79	613936.14	
11304.00	88.74	90.39	8983.72	127.81	2315.63	2315.51	0.64	599334.51	614031.13	
11400.00	87.97	90.38	8986.48	127.17	2411.58	2411.47	0.80	599333.87	614127.08	
11494.00	89.58	90.56	8988.49	126.40	2505.56	2505.45	1.72	599333.10	614221.06	
11589.00	88.95	91.02	8989.71	125.09	2600.54	2600.43	0.82	599331.79	614316.04	
11684.00	89.65	89.73	8990.87	124.47	2695.53	2695.42	1.54	599331.17	614411.03	
11780.00	89.72	89.95	8991.40	124.73	2791.53	2791.42	0.24	599331.43	614507.03	
11875.00	92.45	89.96	8989.60	124.81	2886.50	2886.39	2.87	599331.51	614602.00	
11970.00	93.01	89.45	8985.07	125.30	2981.39	2981.28	0.80	599332.00	614696.89	
12065.00	93.86	89.09	8979.38	126.50	3076.21	3076.10	0.97	599333.20	614791.71	
12161.00	92.66	89.91	8973.92	127.34	3172.05	3171.94	1.51	599334.04	614887.55	
12256.00	91.40	90.51	8970.56	126.99	3266.99	3266.87	1.47	599333.69	614982.49	
12352.00	91.75	90.75	8967.92	125.94	3362.94	3362.83	0.44	599332.64	615078.44	
12447.00	90.42	89.83	8966.12	125.46	3457.92	3457.81	1.70	599332.16	615173.42	
12542.00	89.86	89.51	8965.89	126.00	3552.92	3552.81	0.68	599332.70	615268.42	
12638.00	90.21	89.56	8965.83	126.78	3648.92	3648.81	0.37	599333.48	615364.42	
12732.00	90.42	89.35	8965.31	127.68	3742.91	3742.80	0.32	599334.38	615458.41	
12828.00	90.42	89.33	8964.61	128.78	3838.90	3838.79	0.02	599335.48	615554.40	
12922.00	90.42	89.49	8963.92	129.75	3932.89	3932.78	0.17	599336.45	615648.39	
13018.00	88.95	88.25	8964.45	131.64	4028.87	4028.75	2.00	599338.34	615744.37	
13111.00	89.02	88.44	8966.09	134.33	4121.82	4121.70	0.22	599341.03	615837.32	
13206.00	89.79	88.43	8967.08	136.92	4216.78	4216.65	0.81	599343.62	615932.28	
13299.00	90.28	89.23	8967.02	138.82	4309.76	4309.63	1.01	599345.52	616025.26	
13394.00	89.37	88.15	8967.31	140.99	4404.73	4404.60	1.49	599347.69	616120.23	
13489.00	89.09	88.14	8968.59	144.07	4499.67	4499.54	0.29	599350.77	616215.17	
13584.00	90.63	88.27	8968.82	147.04	4594.62	4594.49	1.63	599353.74	616310.12	
13631.00	90.91	88.15	8968.19	148.51	4641.59	4641.46	0.65	599355.21	616357.09	Last Wft Svy
13675.11	90.91	88.15	8967.49	149.94	4685.67	4685.54	0.00	599356.64	616401.17	Cross Prod Box
13715.00	90.91	88.15	8966.86	151.22	4725.54	4725.40	0.00	599357.92	616441.04	Proj to Bit



Emerald PWU 20 10H
Eddy Co, NM



Plan Data for Emerald PWU 20 10H

Plan Point Information:

Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
11684.00	89.65	89.73	8990.87	124.47	2695.53	599331.17	614411.03	2695.42	1.54
11769.00	89.65	89.73	8991.39	124.87	2780.53	599331.57	614496.03	2780.42	0.00
11886.50	92.00	89.73	8989.70	125.42	2898.00	599332.12	614613.50	2897.89	2.00
12186.50	92.00	89.73	8979.23	126.83	3197.82	599333.53	614913.32	3197.71	0.00
12321.84	90.66	89.92	8976.09	127.25	3333.12	599333.95	615048.62	3333.00	1.00
13715.00	90.66	89.92	8960.04	129.19	4726.18	599335.89	616441.68	4726.07	0.00

Plan Data for Emerald PWU 20 10H

Slot: Emerald PWU 20 10H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 599206.70USft Latitude: 32.647059°
+E/-W: 0.00USft Easting: 611715.50USft Longitude: -104.104679°
Elevation Above VRD: 3339.00USft

Plan Data for Emerald PWU 20 10H

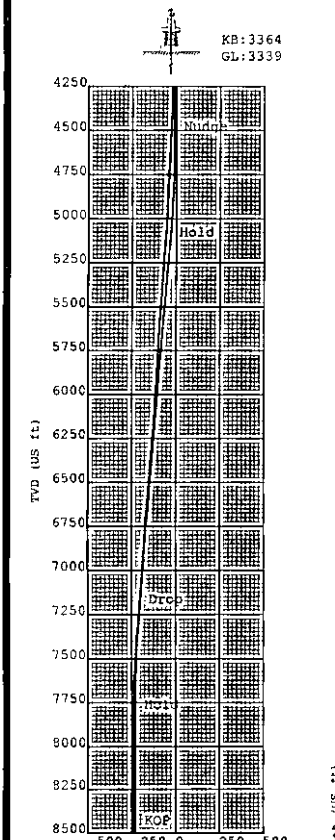
Target Set Information:
Name: Emerald PWU 20 10H
Position offsets from Slot centre

Name	TVD	Elevation	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
LP Tgt	8984.00	-5620.00	133.26	45.10	599339.96	611760.60
PBHL 10H	8994.00	-5630.00	128.87	4726.29	599335.57	616441.79

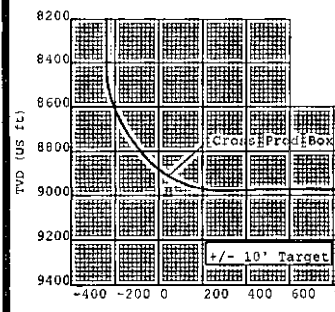
Plan Data for Emerald PWU 20 10H

Well: Emerald PWU 20 10H
Type: Main-Well
File Number:
Plan Folder: P3 Plan: P3:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 90.05°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 48399(nT) 7.53° 60.42° 2015-10-30

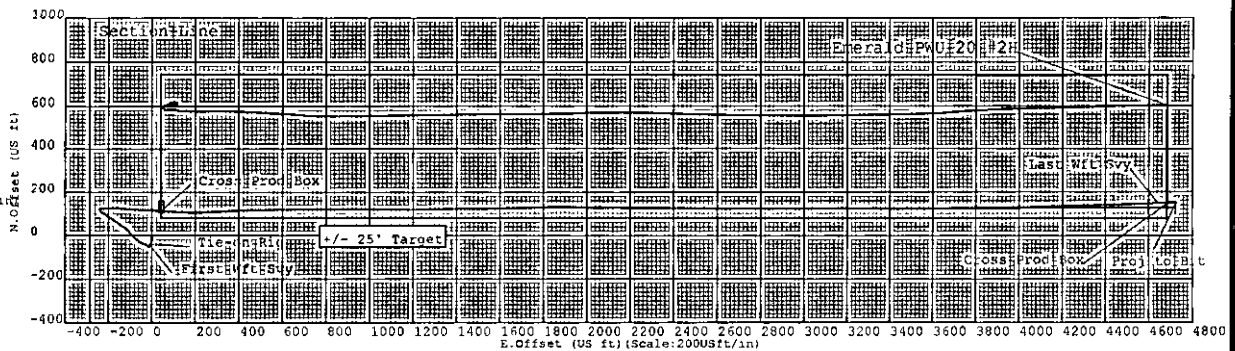
Emerald PWU 20 10H
Emerald PWU 20 #2H
Emerald PWU 20 10H



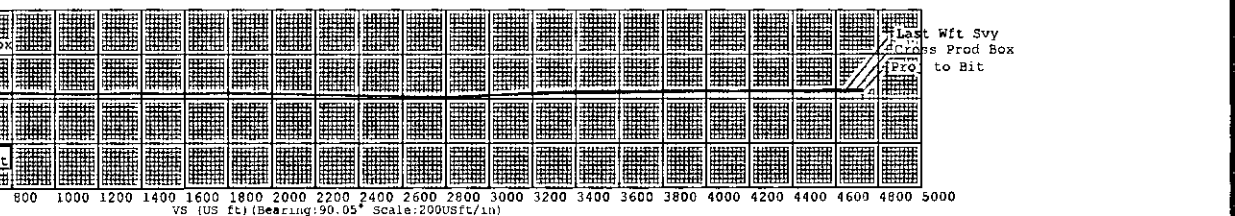
VS (US ft) (Bearing: 90.05° Scale: 250USft/in)



VS (US ft) (Bearing: 90.05° Scale: 200USft/in)



E-Offset (US ft) (Scale: 200USft/in)



E-Offset (US ft) (Scale: 200USft/in)