

Submit 1 Copy To Appropriate District

Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88218

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

Revised August 1, 2011

NM OIL CONSERVATION

ARTESIA DISTRICT OIL CONSERVATION DIVISION

JAN 30 2017
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-43371
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102		7. Lease Name or Unit Agreement Name Emerald PWU 20
4. Well Location Unit Letter L : 2434 feet from the South line and 284 feet from the West line Section 20 Township 19S Range 29E NMPM County EDDY		8. Well Number 11H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL:		9. OGRID Number 6137
		10. Pool name or Wildcat Scanlon Draw; Bone Spring

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: Completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

06/20/2015 - 01/16/2017: MIRU WL & PT. TIH & ran GR/CCL/CBL, found ETOC @ 193'. TIH w/pump through frac plug and guns. Perf Bone Spring, 9,150' to 13,600', total 552 holes. Frac'd 9,150' to 13,600' in 23 stages. Frac totals 2352 gals acid, 5,157,000# prop. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBD @ 13,626'. CHC, FWB, ND BOP. RIH w/235 jts 2-7/8" L-80 tbg, set @ 8,535'. TOP.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Erin Workman TITLE Regulatory Analyst DATE 1/27/2017

Type or print name Erin Workman E-mail address: Erin.Workman@dvn.com PHONE: 405-552-7970

For State Use Only

APPROVED BY: Bogus TITLE DD SUPERVISOR DATE 30 JAN 17
Conditions of Approval (if any):

NM OIL CONSERVATION DRILLED
ARTESIA DISTRICT

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

JAN 30 2017

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43371		² Pool Code 55510		³ Pool Name Scanlon Draw; Bone Spring	
⁴ Property Code 38436		⁵ Property Name EMERALD PWU 20			⁶ Well Number 11H
⁷ GRID NO. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION CO., L.P.			⁹ Elevation 3331'
¹⁰ Surface Location					
UL or lot no. L	Section 20	Township 19S	Range 29E	Lot Idn 2434	Feet from the 284
		North/South line SOUTH		Feet from the 284	East/West line WEST
				County EDDY	
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. I	Section 20	Township 19S	Range 29E	Lot Idn 2240	Feet from the 272
		North/South line SOUTH		Feet from the 272	East/West line EAST
				County EDDY	
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No.	

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

¹⁶ (C) S 89°50'39" E 2646.55' (D) N 89°57'12" E 2658.56' (E) CORNER DATA NAD 83 GRID - NM EAST A: FOUND LIMESTONE ROCK N 596321.1 - E 611438.5 B: FOUND LIMESTONE ROCK 12"x4"x4.5" N 598960.3 - E 611433.1 C: FOUND 1/2" REBAR N 601599.9 - E 611427.2 D: FOUND 1/2" REBAR N 601592.7 - E 614073.1 E: FOUND 1/2" REBAR N 601594.9 - E 616731.0 F: FOUND LIMESTONE ROCK 11"x4.5"x6.5" N 598952.1 - E 616727.9 G: FOUND RAILROAD SPIKE N 596311.3 - E 616734.9 H: FOUND LIMESTONE ROCK 7"x8"x3" N 596312.9 - E 614091.7		¹⁷ OPERATOR CERTIFICATION 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 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 agreement heretofore entered by the division <i>Erin Workman</i> 01/09/2017 Signature Date Erin Workman Erin.workman@dvn.com
20 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 598754.0 - E 611717.6 LAT: 32.64581443° N LONG: 104.10467500° W BOTTOM HOLE N 598580.9 - E 616458.9 LAT: 32.64530982° N LONG: 104.08927228° W		¹⁸ SURVEYOR CERTIFICATION 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. 8-24-2015 Date of Survey <i>Richard E. Broome</i> Signature and Seal of Professional Surveyor 20451 Certificate Number

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1507379

Project Area: ☐
Producing Area: ☐



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

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

Date: September 28, 2015 **NM OIL CONSERVATION**
ARTESIA DISTRICT

JAN 30 2017

Attention: Garrett Glaze

RECEIVED

Re: Devon Energy
Well: Emerald PWU 20 11H
Eddy County, New Mexico

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
Matthew Keen	11H	3457 MD	10/18/2015	Measurement
MWD Supervisor		13629 MD	10/27/2015	While Drilling

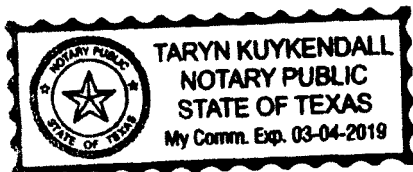
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jonathan Leger
MWD Ops Coordinator

On this, the 30th day of January, 20 15, 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





NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 8 6 2017

RECEIVED

5D Survey Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Emerald PWU 20 11H*
Well Name: *Emerald PWU 20 11H*
Survey: *Definitive survey*

27 October 2015



devon



Weatherford

Emerald PWU 20 11H

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 11H	Units: US ft	North Reference: Grid	Convergence Angle: 0.12	
	Position:	Northing: 598754.00US ft	Latitude: 32° 38' 44.95"	
		Easting: 611717.60US ft	Longitude: -104° 5' 16.83"	
	Elevation above MSL: 3331.00 US ft		Comment:	
Slot: Emerald PWU 20 11H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 598754.00US ft	Latitude: 32° 38' 44.95"	
	+E/-W: 0.00US ft	Easting: 611717.60US ft	Longitude: -104° 5' 16.83"	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3331.00US ft		Comment:		
Well: Emerald PWU 20 11H	Type: Main well		UWI:	
	File Number:	Comment:		
	Closure Distance: 4752.53US ft		Closure Azimuth: 91.97°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
+N/-S: -0.00US ft		+E/-W: -0.00US ft	Az: 90.10°	
Drill floor: Survey Name: Definitive Survey				
Rig Height (Kelly Bushing): Elevation above MSL: 25.00us ft		Inclination: 0.00°	Azimuth: 0.00°	
Survey Name: Definitive Survey				
Date: 03/Sep/2015		Survey Tool: See Survey Tool Ranges below.	Comment:	Company:
Magnetic Model:				
Model Name: bggm2015	Date: 15/Nov/2015	Field Strength: 48394.1nT	Declination: 7.52°	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	
MWD	0.00	3270.00	Teledrift Svys	
MWD	3270.00	13710.00	Wft MWD Svy	
Wellpath created using minimum curvature.				

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Incl. (°)	As (°)	TVD (US ft)	Northset (US ft)	Eastset (US ft)	Grd (US ft)	True 1000S ft	North (US ft)	East (US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	0.00	598754.00	611717.60	
304.00	0.50	70.00	304.00	0.45	1.25	1.25	0.16	598754.45	611718.85	
457.44	0.40	110.00	457.43	0.50	2.38	2.38	0.21	598754.50	611719.98	
641.35	0.60	60.00	641.34	0.76	3.82	3.81	0.25	598754.76	611721.42	
825.69	1.40	90.00	825.65	1.24	6.90	6.90	0.50	598755.24	611724.50	
1010.08	0.80	60.00	1010.00	1.89	10.27	10.27	0.44	598755.89	611727.87	
1194.47	0.90	70.00	1194.37	3.03	12.75	12.74	0.10	598757.03	611730.35	
1385.18	0.80	29.00	1385.06	4.70	14.80	14.79	0.32	598758.70	611732.40	
1574.70	0.90	53.00	1574.56	6.76	16.63	16.62	0.19	598760.76	611734.23	
1765.00	1.20	52.00	1764.83	8.88	19.39	19.38	0.16	598762.88	611736.99	
1955.00	1.30	70.00	1954.79	10.84	22.99	22.97	0.21	598764.84	611740.59	
2145.00	0.60	45.00	2144.76	12.29	25.72	25.69	0.42	598766.29	611743.32	
2335.00	0.70	37.00	2334.75	13.92	27.12	27.09	0.07	598767.92	611744.72	
2525.00	0.30	83.00	2524.74	14.90	28.31	28.28	0.28	598768.90	611745.91	
2715.00	0.60	80.00	2714.74	15.14	29.78	29.76	0.16	598769.14	611747.38	
2905.75	0.30	94.00	2905.48	15.27	31.26	31.24	0.17	598769.27	611748.86	
3095.00	0.50	92.00	3094.72	15.21	32.58	32.56	0.11	598769.21	611750.18	
3270.00	0.30	49.00	3269.72	15.49	33.69	33.67	0.20	598769.49	611751.29	Tie-on Rig
3457.00	0.49	58.17	3456.72	16.23	34.74	34.71	0.11	598770.23	611752.34	First Wft Svy
3520.00	0.51	61.14	3519.71	16.51	35.22	35.19	0.05	598770.51	611752.82	
3615.00	0.36	57.63	3614.71	16.87	35.84	35.81	0.16	598770.87	611753.44	
3710.00	0.31	34.63	3709.71	17.24	36.24	36.21	0.15	598771.24	611753.84	
3805.00	0.58	272.50	3804.71	17.47	35.90	35.87	0.83	598771.47	611753.50	
3900.00	1.22	254.91	3899.70	17.23	34.45	34.42	0.73	598771.23	611752.05	
3995.00	1.20	265.90	3994.67	16.90	32.48	32.45	0.24	598770.90	611750.08	
4090.00	1.07	276.38	4089.66	16.92	30.60	30.57	0.26	598770.92	611748.20	
4181.00	1.39	277.38	4182.63	17.17	28.62	28.59	0.34	598771.17	611746.22	
4279.00	1.78	271.39	4278.60	17.35	25.98	25.95	0.44	598771.35	611743.58	
4373.00	2.33	274.13	4372.54	17.57	22.61	22.58	0.59	598771.52	611740.21	
4467.00	1.54	265.16	4466.48	17.56	19.45	19.42	0.90	598771.56	611737.05	
4562.00	1.51	260.38	4561.45	17.24	16.94	16.91	0.14	598771.24	611734.54	
4657.00	1.56	263.77	4656.41	16.89	14.42	14.39	0.11	598770.89	611732.02	
4752.00	1.19	210.88	4751.39	15.90	12.63	12.60	1.34	598769.90	611730.23	
4847.00	1.19	215.64	4846.37	14.25	11.55	11.52	0.10	598768.25	611729.15	
4941.00	0.97	211.78	4940.35	12.78	10.56	10.54	0.25	598766.78	611728.16	
5036.00	0.82	237.57	5035.34	11.74	9.56	9.54	0.45	598765.74	611727.16	
5131.00	1.69	316.00	5130.32	12.38	8.02	7.99	1.81	598766.38	611725.62	
5227.00	2.19	265.49	5226.28	13.25	5.20	5.18	1.79	598767.25	611722.80	
5323.00	3.38	243.16	5322.16	11.83	0.85	0.83	1.66	598765.83	611718.45	
5418.00	4.56	229.16	5416.94	8.10	-4.51	-4.52	1.60	598762.10	611713.09	
5513.00	6.23	229.62	5511.51	2.29	-11.29	-11.29	1.76	598756.29	611706.31	
5608.00	6.43	231.74	5605.93	-4.35	-19.39	-19.39	0.32	598749.65	611698.21	
5701.00	6.40	230.37	5698.35	-10.88	-27.47	-27.46	0.17	598743.12	611690.13	
5797.00	6.34	225.82	5793.76	-17.98	-35.40	-35.37	0.53	598736.02	611682.20	
5892.00	6.50	221.75	5888.16	-25.65	-42.74	-42.69	0.51	598728.35	611674.86	
5987.00	6.18	219.32	5982.58	-33.62	-49.56	-49.50	0.44	598720.38	611668.04	
6083.00	5.95	218.06	6078.04	-41.53	-55.90	-55.83	0.28	598712.47	611661.70	
6178.00	5.10	217.08	6172.60	-48.78	-61.48	-61.40	0.90	598705.22	611656.12	
6273.00	4.33	217.41	6267.28	-55.00	-66.21	-66.11	0.81	598699.00	611651.39	
6368.00	5.05	223.21	6361.96	-60.89	-71.25	-71.14	0.91	598693.11	611646.35	
6464.00	4.68	213.71	6457.62	-67.23	-76.32	-76.20	0.92	598686.77	611641.28	
6559.00	6.24	216.70	6552.18	-74.59	-81.55	-81.42	1.67	598679.41	611636.05	
6654.00	5.68	229.80	6646.67	-81.77	-88.23	-88.09	1.54	598672.23	611629.37	
6749.00	5.89	232.48	6741.19	-87.77	-95.69	-95.53	0.36	598666.23	611621.91	
6844.00	5.34	231.81	6835.73	-93.47	-103.03	-102.86	0.58	598660.53	611614.57	
6938.00	5.66	227.56	6929.30	-99.31	-109.89	-109.71	0.55	598654.69	611607.71	
7033.00	6.60	230.60	7023.76	-105.93	-117.56	-117.38	1.05	598648.07	611600.04	
7128.00	6.17	232.92	7118.17	-112.48	-125.85	-125.66	0.53	598641.52	611591.75	

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)	GS (US ft)	GS angle (US ft)	GS angle (US ft)	GS angle (US ft)
7223.00	5.74	228.84	7212.66	-118.68	-133.50	-133.30	0.63	598635.32	611584.10
7318.00	6.28	232.89	7307.13	-124.94	-141.22	-141.01	0.72	598629.06	611576.38
7413.00	7.32	228.41	7401.46	-132.10	-149.89	-149.66	1.23	598621.90	611567.71
7509.00	6.91	234.51	7496.73	-139.51	-159.17	-158.93	0.89	598614.49	611558.43
7604.00	5.32	228.02	7591.18	-145.77	-167.10	-166.84	1.82	598608.23	611550.50
7700.00	5.28	218.11	7686.78	-152.22	-173.13	-172.87	0.95	598601.78	611544.47
7795.00	4.46	210.23	7781.43	-158.86	-177.69	-177.41	1.11	598595.14	611539.91
7890.00	3.72	227.98	7876.19	-164.11	-181.84	-181.55	1.53	598589.89	611535.76
7986.00	2.36	250.83	7972.06	-166.84	-186.02	-185.73	1.87	598587.16	611531.58
8082.00	0.47	294.61	8068.03	-167.33	-188.25	-187.95	2.13	598586.67	611529.35
8174.00	0.70	340.01	8160.02	-166.64	-188.78	-188.49	0.54	598587.36	611528.82
8270.00	1.14	280.80	8256.01	-165.91	-189.92	-189.63	1.03	598588.09	611527.68
8365.00	0.56	17.20	8351.01	-165.29	-190.71	-190.42	1.39	598588.71	611526.89
8426.00	0.49	56.39	8412.00	-164.86	-190.40	-190.12	0.59	598589.14	611527.20
8457.00	2.59	74.44	8442.99	-164.60	-189.62	-189.33	6.87	598589.40	611527.98
8488.00	6.03	78.60	8473.90	-164.09	-187.35	-187.06	11.14	598589.91	611530.25
8520.00	9.36	77.77	8505.61	-163.21	-183.16	-182.87	10.41	598590.79	611534.44
8567.00	14.37	79.26	8551.59	-161.31	-173.68	-173.40	10.68	598592.69	611543.92
8615.00	17.82	82.21	8597.70	-159.21	-160.55	-160.27	7.38	598594.79	611557.05
8662.00	23.19	85.30	8641.71	-157.47	-144.19	-143.92	11.65	598596.53	611573.41
8710.00	26.76	87.20	8685.21	-156.17	-123.97	-123.70	7.62	598597.83	611593.63
8757.00	31.13	90.55	8726.33	-155.77	-101.24	-100.97	9.91	598598.23	611616.36
8806.00	35.30	93.29	8767.32	-156.70	-74.43	-74.16	9.04	598597.30	611643.17
8853.00	39.91	92.81	8804.55	-158.22	-45.80	-45.52	9.83	598595.78	611671.80
8901.00	44.07	93.19	8840.22	-159.91	-13.74	-13.46	8.68	598594.09	611703.86
8948.00	49.06	93.36	8872.52	-161.86	20.33	20.61	10.62	598592.14	611737.93
8980.00	52.01	93.42	8892.86	-163.32	44.98	45.27	9.22	598590.68	611762.58
Cross Prod Box									
8996.00	53.48	93.44	8902.54	-164.08	57.70	57.98	9.19	598589.92	611775.30
9028.00	55.92	92.56	8921.03	-165.44	83.77	84.06	7.95	598588.56	611801.37
9060.00	58.93	92.04	8938.26	-166.52	110.72	111.01	9.51	598587.48	611828.32
9090.00	63.25	91.63	8952.76	-167.36	136.96	137.25	14.45	598586.64	611854.56
9122.00	69.28	90.74	8965.63	-167.96	166.23	166.52	19.01	598586.04	611883.83
9145.00	73.41	90.82	8972.99	-168.26	188.02	188.31	17.96	598585.74	611905.62
9177.00	78.32	90.94	8980.80	-168.74	219.03	219.33	15.35	598585.26	611936.63
9209.00	81.29	91.71	8986.46	-169.47	250.52	250.81	9.58	598584.53	611968.12
9240.00	84.10	92.56	8990.41	-170.61	281.24	281.54	9.46	598583.39	611998.84
9304.00	88.74	91.79	8994.40	-173.03	345.05	345.35	7.35	598580.97	612062.65
9399.00	90.07	90.37	8995.39	-174.82	440.02	440.33	2.05	598579.18	612157.62
9494.00	90.42	90.78	8994.98	-175.78	535.02	535.32	0.57	598578.22	612252.62
9589.00	90.21	89.59	8994.46	-176.08	630.01	630.32	1.27	598577.92	612347.61
9684.00	90.28	89.18	8994.05	-175.06	725.01	725.31	0.44	598578.94	612442.61
9780.00	89.86	88.79	8993.94	-173.36	820.99	821.29	0.60	598580.64	612538.59
9874.00	89.93	89.04	8994.11	-171.58	914.98	915.27	0.28	598582.42	612632.58
9967.00	90.35	88.79	8993.88	-169.82	1007.96	1008.25	0.53	598584.18	612725.56
10063.00	91.05	89.22	8992.71	-168.16	1103.94	1104.23	0.86	598585.84	612821.54
10158.00	90.91	88.73	8991.08	-166.46	1198.91	1199.19	0.54	598587.54	612916.51
10252.00	90.84	88.46	8989.65	-164.15	1292.87	1293.15	0.30	598589.85	613010.47
10347.00	91.75	88.63	8987.50	-161.74	1387.81	1388.09	0.97	598592.26	613105.41
10442.00	90.77	88.95	8985.41	-159.74	1482.77	1483.04	1.09	598594.26	613200.37
10538.00	90.42	89.06	8984.41	-158.07	1578.75	1579.02	0.38	598595.93	613296.35
10633.00	89.86	88.52	8984.18	-156.06	1673.72	1673.99	0.82	598597.94	613391.32
10728.00	89.65	89.64	8984.59	-154.54	1768.71	1768.98	1.20	598599.46	613486.31
10824.00	89.79	90.05	8985.06	-154.28	1864.71	1864.97	0.45	598599.72	613582.31
10919.00	89.86	90.59	8985.35	-154.81	1959.70	1959.97	0.57	598599.19	613677.30
11015.00	90.35	91.27	8985.17	-156.37	2055.69	2055.96	0.87	598597.63	613773.29
11109.00	89.93	91.00	8984.94	-158.23	2149.67	2149.94	0.53	598595.77	613867.27
11204.00	89.44	91.08	8985.46	-159.95	2244.65	2244.93	0.52	598594.05	613962.25
11299.00	89.02	90.96	8986.74	-161.64	2339.63	2339.91	0.46	598592.36	614057.23

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
WD (US ft)	Inc (°)	AP (ft)	T.D. (US ft)	RL Offset (US ft)	F. Offset (US ft)	Z (US ft)	Inc (Joule B ft)	Inc (Joule B ft)	Inc (Joule B ft)	Inc (Joule B ft)
11395.00	89.58	90.57	8987.91	-162.92	2435.61	2435.90	0.71	598591.08	614153.21	
11490.00	90.98	90.44	8987.45	-163.76	2530.61	2530.89	1.48	598590.24	614248.21	
11586.00	91.40	90.23	8985.46	-164.32	2626.58	2626.87	0.49	598589.68	614344.18	
11680.00	91.68	90.02	8982.93	-164.53	2720.55	2720.83	0.37	598589.47	614438.15	
11776.00	91.75	89.90	8980.06	-164.46	2816.51	2816.79	0.14	598589.54	614534.11	
11871.00	91.95	89.87	8976.99	-164.27	2911.46	2911.74	0.21	598589.73	614629.06	
11966.00	90.84	89.16	8974.68	-163.47	3006.42	3006.70	1.39	598590.53	614724.02	
12061.00	91.33	88.89	8972.88	-161.85	3101.39	3101.67	0.59	598592.15	614818.99	
12156.00	90.42	89.30	8971.43	-160.35	3196.37	3196.64	1.05	598593.65	614913.97	
12251.00	89.16	89.11	8971.78	-159.03	3291.36	3291.63	1.34	598594.97	615008.96	
12347.00	89.72	88.78	8972.71	-157.26	3387.34	3387.60	0.68	598596.74	615104.94	
12442.00	89.58	88.85	8973.29	-155.30	3482.31	3482.58	0.16	598598.70	615199.91	
12538.00	89.51	88.66	8974.06	-153.21	3578.29	3578.55	0.21	598600.79	615295.89	
12632.00	89.58	88.95	8974.80	-151.25	3672.26	3672.52	0.32	598602.75	615389.86	
12727.00	89.23	89.15	8975.79	-149.68	3767.25	3767.50	0.42	598604.32	615484.85	
12822.00	88.67	88.95	8977.53	-148.10	3862.22	3862.47	0.63	598605.90	615579.82	
12917.00	89.30	90.45	8979.21	-147.61	3957.20	3957.45	1.71	598606.39	615674.80	
13012.00	89.58	90.99	8980.14	-148.80	4052.18	4052.44	0.64	598605.20	615769.78	
13106.00	89.79	91.09	8980.66	-150.51	4146.17	4146.42	0.25	598603.49	615863.77	
13201.00	89.58	91.48	8981.18	-152.64	4241.14	4241.40	0.47	598601.36	615958.74	
13296.00	91.47	91.50	8980.31	-155.11	4336.10	4336.37	1.99	598598.89	616053.70	
13391.00	91.89	91.20	8977.53	-157.34	4431.03	4431.30	0.54	598596.66	616148.63	
13485.00	92.24	91.15	8974.14	-159.27	4524.95	4525.22	0.38	598594.73	616242.55	
13581.00	92.24	90.95	8970.39	-161.03	4620.86	4621.14	0.21	598592.97	616338.46	
13629.00	92.45	90.94	8968.42	-161.82	4668.82	4669.09	0.44	598592.18	616386.42	Last Wft Svy
13644.93	92.45	90.94	8967.74	-162.08	4684.73	4685.01	0.00	598591.92	616402.33	Cross Prod Box
13710.00	92.45	90.94	8964.96	-163.15	4749.73	4750.01	0.00	598590.85	616467.33	Proj to Bit