

DISTRICT I
1625 N. French Dr. Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
311 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

DISTRICT III
1900 Roe Beauty Rd., Acoma, 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, New Mexico 87505

RECEIVED
NOV 01 2012
Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40827	Pool Code 30212	Pool Name HARROUN RANCH; DELAWARE
Property Code 39533	Property Name Harroun Trust 31	Well Number 5H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 2957.3'

Surface Location

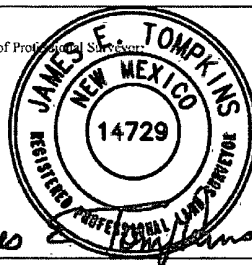
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	23 S	29 E		330	SOUTH	1295	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	23 S	29 E		2310	SOUTH	660	EAST	EDDY

Dedicated Acres	Joint of Infill	Consolidated Code	Order No
240			

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

NW COR SEC 30 NMSP-E (NAD 83) Y = 467027.2' N X = 634389.4' E LAT = N32° 17' 00.86" LONG = W104° 01' 56.01"	HARROUN TRUST 31-30 #5H BHL NMSP-E (NAD 83) Y = 463925.2' N X = 638899.3' E LAT = N32° 16' 30.04" LONG = W104° 01' 03.58"	NE COR SEC 30 NMSP-E (NAD 83) Y = 466889.9' N X = 639549.8' E N LAT = N32° 16' 59.38" W LONG = W104° 00' 55.90"	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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Patti Riechers</i> 10/30/12 Signature Date Patti Riechers, Regulatory Specialist Print Name Patti.Riechers@dvn.com E-mail Address
SW COR SEC 30 NW COR SEC 31 NMSP-E (NAD 83) Y = 461706.6' N X = 634385.1' E N LAT = N32° 16' 08.21" W LONG = W104° 01' 56.23"	HARROUN TRUST 31-30 #5H SHL NMSP-E (NAD 83) Y = 456687.6' N X = 638369.3' E LAT = N32° 15' 18.43" LONG = W104° 01' 10.00"	SE COR SEC 30 NE COR SEC 31 NMSP-E (NAD 83) Y = 461601.1' N X = 639566.7' E N LAT = N32° 16' 07.02" W LONG = W104° 00' 55.88"	
SW COR SEC 31 NMSP-E (NAD 83) Y = 456386.0' N X = 634380.9' E N LAT = N32° 15' 15.56" W LONG = W104° 01' 56.46"		SE COR SEC 31 NMSP-E (NAD 83) Y = 456348.5' N X = 639670.8' E N LAT = N32° 15' 15.04" W LONG = W104° 00' 54.85"	SURVEYORS 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. JUNE 24, 2012 Date of Survey Signature and Seal of Professional Surveyor  Job No. WTC48539 JAMES E. TOMPKINS 14729 Certificate Number

SECTION 31, T 23 S, R 29 E, N.M.P.M.

HARROUN TRUST 31-30 #5H

PROP. 405' LEASE ROAD

Scoggin Flats

Harroun Trust

Prop. 405' Lease Road

Section 30, 32, 36

Spot elevations: 2999T, 2998T, 2997T, 2996T, 2995T, 2994T, 2993T, 2992T, 2991T, 2990T, 2989T, 2988T, 2987T, 2986T, 2985T, 2984T, 2983T, 2982T, 2981T, 2980T, 2979T, 2978T, 2977T, 2976T, 2975T, 2974T, 2973T, 2972T, 2971T, 2970T, 2969T, 2968T, 2967T, 2966T, 2965T, 2964T, 2963T, 2962T, 2961T, 2960T, 2959T, 2958T, 2957T, 2956T, 2955T, 2954T, 2953T, 2952T, 2951T, 2950T, 2949T, 2948T, 2947T, 2946T, 2945T, 2944T, 2943T, 2942T, 2941T, 2940T, 2939T, 2938T, 2937T, 2936T, 2935T, 2934T, 2933T, 2932T, 2931T, 2930T, 2929T, 2928T, 2927T, 2926T, 2925T, 2924T, 2923T, 2922T, 2921T, 2920T, 2919T, 2918T, 2917T, 2916T, 2915T, 2914T, 2913T, 2912T, 2911T, 2910T, 2909T, 2908T, 2907T, 2906T, 2905T, 2904T, 2903T, 2902T, 2901T, 2900T, 2899T, 2898T, 2897T, 2896T, 2895T, 2894T, 2893T, 2892T, 2891T, 2890T, 2889T, 2888T, 2887T, 2886T, 2885T, 2884T, 2883T, 2882T, 2881T, 2880T, 2879T, 2878T, 2877T, 2876T, 2875T, 2874T, 2873T, 2872T, 2871T, 2870T, 2869T, 2868T, 2867T, 2866T, 2865T, 2864T, 2863T, 2862T, 2861T, 2860T, 2859T, 2858T, 2857T, 2856T, 2855T, 2854T, 2853T, 2852T, 2851T, 2850T, 2849T, 2848T, 2847T, 2846T, 2845T, 2844T, 2843T, 2842T, 2841T, 2840T, 2839T, 2838T, 2837T, 2836T, 2835T, 2834T, 2833T, 2832T, 2831T, 2830T, 2829T, 2828T, 2827T, 2826T, 2825T, 2824T, 2823T, 2822T, 2821T, 2820T, 2819T, 2818T, 2817T, 2816T, 2815T, 2814T, 2813T, 2812T, 2811T, 2810T, 2809T, 2808T, 2807T, 2806T, 2805T, 2804T, 2803T, 2802T, 2801T, 2800T, 2799T, 2798T, 2797T, 2796T, 2795T, 2794T, 2793T, 2792T, 2791T, 2790T, 2789T, 2788T, 2787T, 2786T, 2785T, 2784T, 2783T, 2782T, 2781T, 2780T, 2779T, 2778T, 2777T, 2776T, 2775T, 2774T, 2773T, 2772T, 2771T, 2770T, 2769T, 2768T, 2767T, 2766T, 2765T, 2764T, 2763T, 2762T, 2761T, 2760T, 2759T, 2758T, 2757T, 2756T, 2755T, 2754T, 2753T, 2752T, 2751T, 2750T, 2749T, 2748T, 2747T, 2746T, 2745T, 2744T, 2743T, 2742T, 2741T, 2740T, 2739T, 2738T, 2737T, 2736T, 2735T, 2734T, 2733T, 2732T, 2731T, 2730T, 2729T, 2728T, 2727T, 2726T, 2725T, 2724T, 2723T, 2722T, 2721T, 2720T, 2719T, 2718T, 2717T, 2716T, 2715T, 2714T, 2713T, 2712T, 2711T, 2710T, 2709T, 2708T, 2707T, 2706T, 2705T, 2704T, 2703T, 2702T, 2701T, 2700T, 2699T, 2698T, 2697T, 2696T, 2695T, 2694T, 2693T, 2692T, 2691T, 2690T, 2689T, 2688T, 2687T, 2686T, 2685T, 2684T, 2683T, 2682T, 2681T, 2680T, 2679T, 2678T, 2677T, 2676T, 2675T, 2674T, 2673T, 2672T, 2671T, 2670T, 2669T, 2668T, 2667T, 2666T, 2665T, 2664T, 2663T, 2662T, 2661T, 2660T, 2659T, 2658T, 2657T, 2656T, 2655T, 2654T, 2653T, 2652T, 2651T, 2650T, 2649T, 2648T, 2647T, 2646T, 2645T, 2644T, 2643T, 2642T, 2641T, 2640T, 2639T, 2638T, 2637T, 2636T, 2635T, 2634T, 2633T, 2632T, 2631T, 2630T, 2629T, 2628T, 2627T, 2626T, 2625T, 2624T, 2623T, 2622T, 2621T, 2620T, 2619T, 2618T, 2617T, 2616T, 2615T, 2614T, 2613T, 2612T, 2611T, 2610T, 2609T, 2608T, 2607T, 2606T, 2605T, 2604T, 2603T, 2602T, 2601T, 2600T, 2599T, 2598T, 2597T, 2596T, 2595T, 2594T, 2593T, 2592T, 2591T, 2590T, 2589T, 2588T, 2587T, 2586T, 2585T, 2584T, 2583T, 2582T, 2581T, 2580T, 2579T, 2578T, 2577T, 2576T, 2575T, 2574T, 2573T, 2572T, 2571T, 2570T, 2569T, 2568T, 2567T, 2566T, 2565T, 2564T, 2563T, 2562T, 2561T, 2560T, 2559T, 2558T, 2557T, 2556T, 2555T, 2554T, 2553T, 2552T, 2551T, 2550T, 2549T, 2548T, 2547T, 2546T, 2545T, 2544T, 2543T, 2542T, 2541T, 2540T, 2539T, 2538T, 2537T, 2536T, 2535T, 2534T, 2533T, 2532T, 2531T, 2530T, 2529T, 2528T, 2527T, 2526T, 2525T, 2524T, 2523T, 2522T, 2521T, 2520T, 2519T, 2518T, 2517T, 2516T, 2515T, 2514T, 2513T, 2512T, 2511T, 2510T, 2509T, 2508T, 2507T, 2506T, 2505T, 2504T, 2503T, 2502T, 2501T, 2500T, 2499T, 2498T, 2497T, 2496T, 2495T, 2494T, 2493T, 2492T, 2491T, 2490T, 2489T, 2488T, 2487T, 2486T, 2485T, 2484T, 2483T, 2482T, 2481T, 2480T, 2479T, 2478T, 2477T, 2476T, 2475T, 2474T, 2473T, 2472T, 2471T, 2470T, 2469T, 2468T, 2467T, 2466T, 2465T, 2464T, 2463T, 2462T, 2461T, 2460T, 2459T, 2458T, 2457T, 2456T, 2455T, 2454T, 2453T, 2452T, 2451T, 2450T, 2449T,

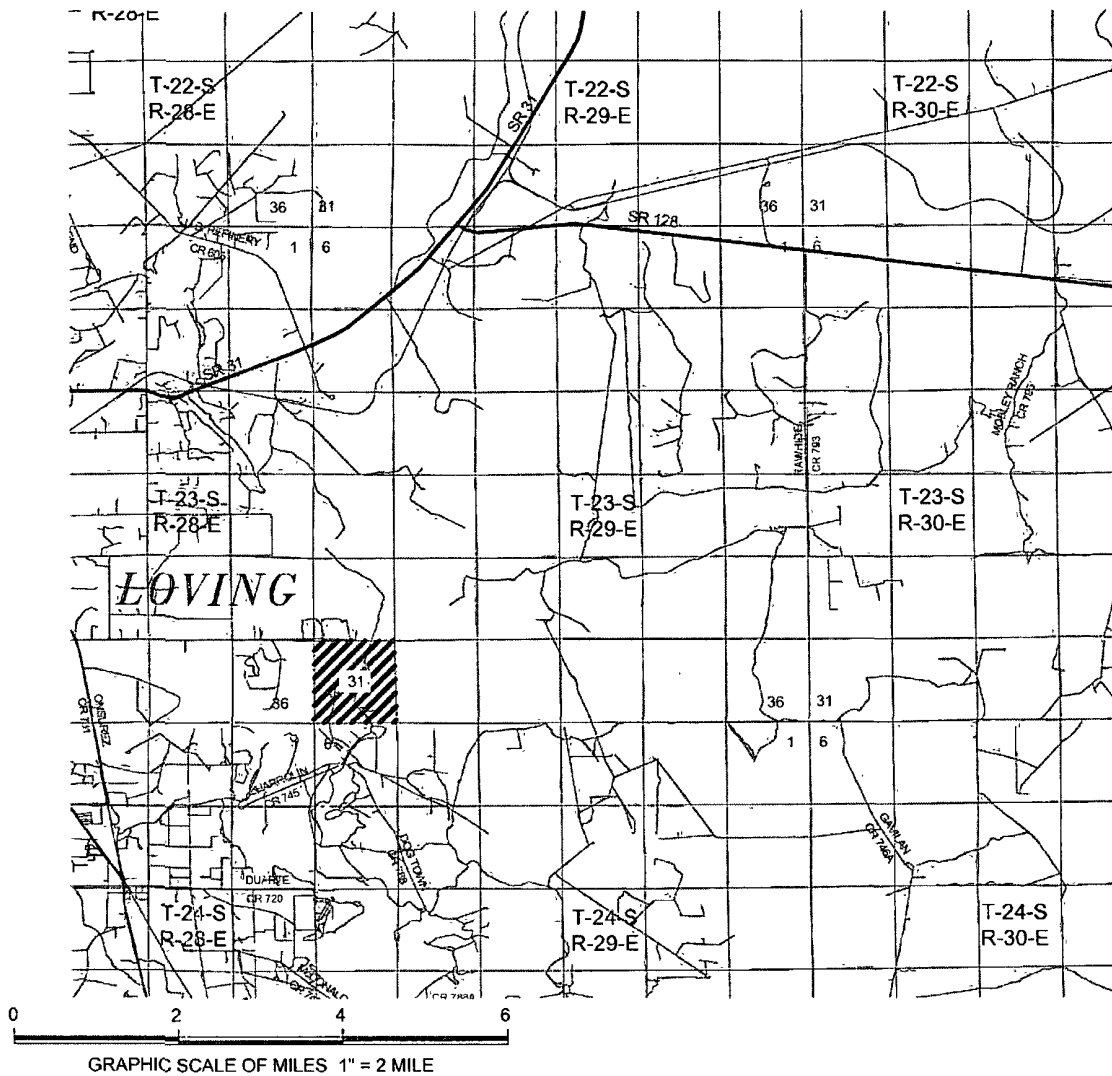
BEGINNING AT THE JUNCTION OF US 285 AND COUNTY ROAD 720. GO EAST ON COUNTY ROAD 720 0.8 MILES TO HARROUN ROAD ON THE LEFT. GO NORTH/NORTHEAST ON HARROUN ROAD FOR 3.1 MILES TO A FORK IN THE ROAD. CONTINUE NORTH, LEFT, ON SAID HARROUN RD 0.5 MILES TO A PROPOSED LEASE ROAD TO THE LEFT AND LOCATION IS ±615 FEET TO THE NORTH/NORTHEAST.



devon

JOB No.. WTC48539

VICINITY MAP



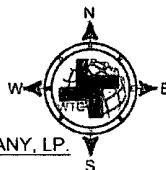
SECTION 31, T 23 S, R 29 E, N.M.P.M.

COUNTY EDDY STATE: NM

DESCRIPTION. 330' FSL & 1295' FEL

OPERATOR. DEVON ENERGY PRODUCTION COMPANY, LP.

WELL NAME: HARROUN TRUST 31-30 #5H



DRIVING DIRECTIONS:

BEGINNING AT THE JUNCTION OF US 285 AND COUNTY ROAD 720 0.8 MILES TO HARROUN ROAD ON THE LEFT. GO NORTH/NORTHEAST ON HARROUN ROAD FOR 3.1 MILES TO A FORK IN THE ROAD. CONTINUE NORTH, LEFT, ON SAID HARROUN RD 0.5 MILES TO A PROPOSED LEASE ROAD TO THE LEFT AND LOCATION IS ±615 FEET TO THE NORTH/NORTHEAST



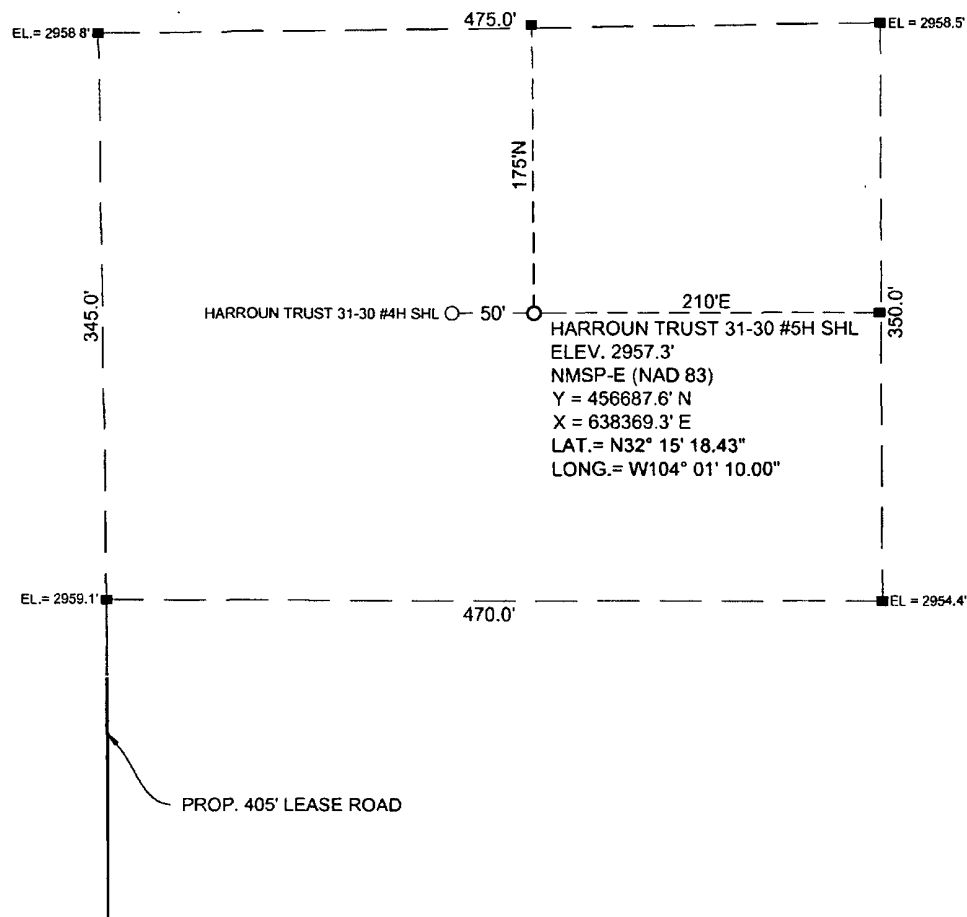
WEST TEXAS CONSULTANTS, INC
ENGINEERS PLANNERS SURVEYORS
406 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181



JOB No. WTC48539

This map was prepared by West Texas Consultants, Inc. for the use of Devon Energy Production Company, LP. It is not to be used for any other purpose without the written consent of West Texas Consultants, Inc.

SITE LOCATION



SCALE: 1" = 100'

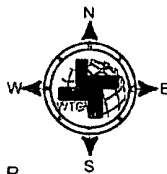
SECTION 31, T 23 S, R 29 E, N.M.P M.

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WEST TEXAS CONSULTANTS, INC
ENGINEERS PLANNERS SURVEYORS
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181



JOB No : WTC48539

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WELL		FILED		STRUCTURE	
Devon Harroun Trust 31-30 #5H		NM Eddy County (NAD 83)			
Magnetic Parameters		Surface Location		Miscellaneous	
Model	BOGM 2012	Dip	60.063°	Date	October 26, 2012
		Magn. Dec.	7.729°	FS	48413 Bot
		Location		NAD83 New Mexico State Plane Eastern Zone, US Feet	
Lat	N 32 15 18.430	Northing	456687.60 RLUS	Grid Corn.	0.164'
Lon	W 104 1 5 598	Easting	618369.30 RLUS	Scale Factor	0.99991987
		Structure		Well Name	
		Plan		Harroun Trust 31-30 #5H	
		Plan		RBV/S 26-OCT-12	
		TVD Ref		K/R(2082.37 above)	
		Srvy Date		October 26, 2012	

Legend

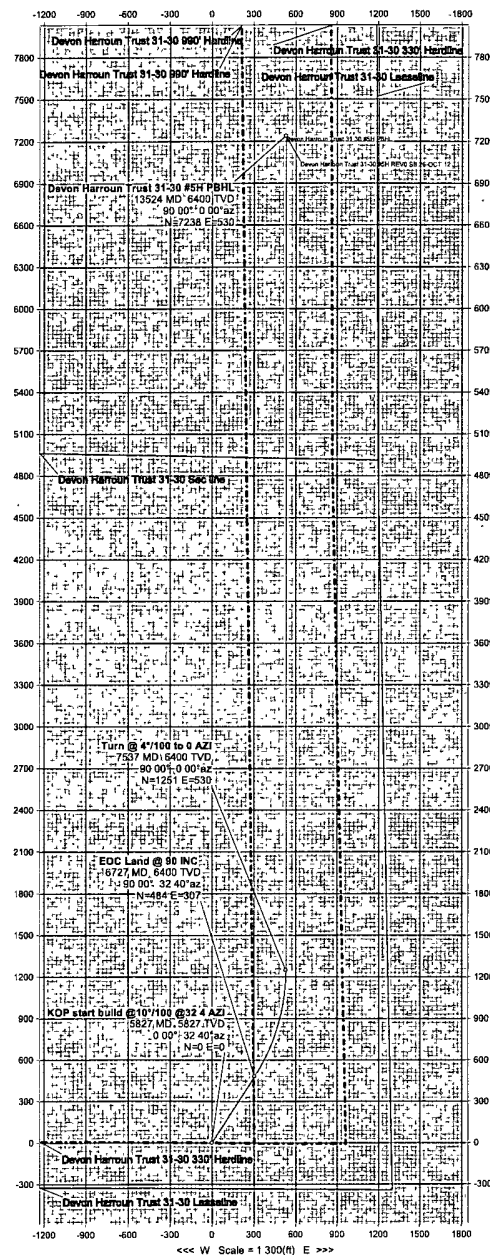
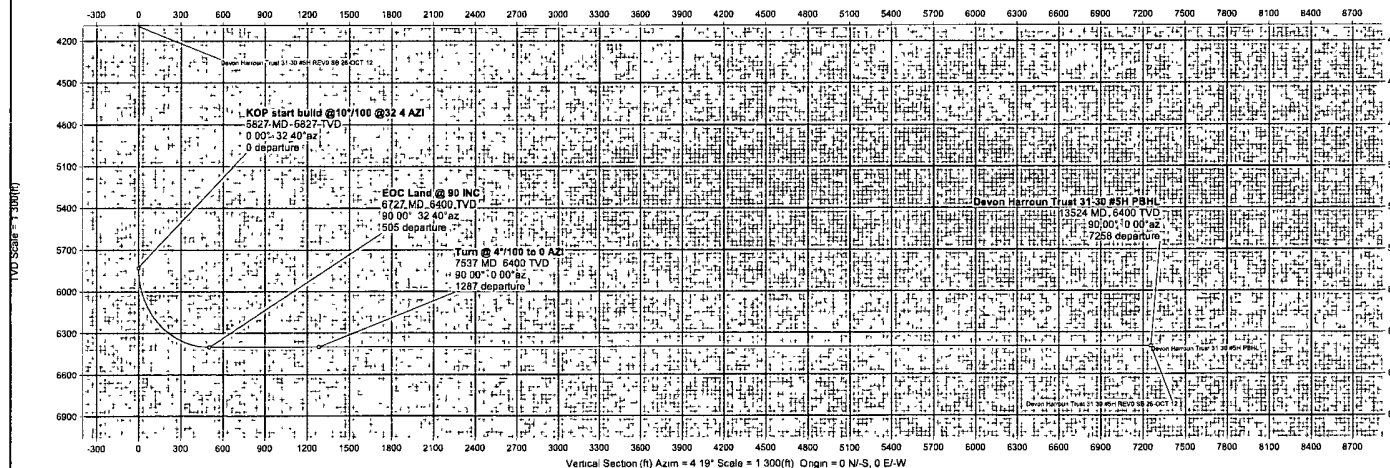
Devon Harnum Trust 31-35 4TH RD 26-OCT 12
Devon Harnum Trust 31-35 4TH PB HL
Devon Harnum Trust 31-35 Lumbria
Devon Harnum Trust 31-35 New Mile
Devon Harnum Trust 31-35 100 Fardine
Devon Harnum Trust 31-35 100 Fardine



Oral North
Tortuerr (M 2017 9619)
Mag Dec (7 729°)

Critical Points

Comments	Survey MD(ft)	Inclination(deg)	Azimuth(deg)	TVD(ft)	Sub-Sea TVD	VS(ft)	NS(ft)	EW(ft)	Latitude(deg)	Longitude(deg)	Easting(ftUS)	Northing(ftUS)	Closure(ft)	Closure Azimuth(deg)	DLS"/100ft)	Tool Face(deg)
Tie-in	0.00	0.00	32.40	0.00	-2982.30	0.00	0.00	0.00	N 32 15 18.430	W 104 1 3.998	638369.30	456687.60	0.00	0.00		32.40
KOP start build @10°100 to 32.4 AZ	5827.04		32.40	5827.04	2844.74	0.00	0.00	0.00	N 32 15 18.430	W 104 1 3.998	638369.30	456687.60	0.00	0.00	0.00	32.40
EOD Land @ 90 INC	6727.04	90.00	32.40	6400.00	3417.70	504.89	483.76	307.01	N 32 15 23.208	W 104 1 6.407	638676.28	457171.32	572.96	32.40	10.00	-90.00
Turn @ 4°1100 to 0.00	7537.03	90.00	0.00	6400.00	3417.70	1286.63	1251.27	529.99	N 32 15 30.796	W 104 1 3.784	638699.25	457938.76	1358.98	22.96	4.00	0.00
Devon Haroun Trust 31°30 HSH PBHL	13523.95	90.00	0.00	6400.00	3417.70	7257.58	7238.19	530.04	N 32 16 30.037	W 104 1 3.578	638889.50	463925.20	7257.58	4.19	0.00	



Drawn By Sam Bittle
Date Created October 29 2012 10:22 41 AM
Checked By
Checked Date
Approved By
Approved Date

Devon Harroun Trust 31-30 #5H REV0 SB 26-OCT-12 Proposal Geodetic Report (Def Plan)



Report Date: October 26, 2012 - 02:39 PM
Client: Devon
Field: NM Eddy County (NAD 83)
Structure / Slot: Devon Harroun Trust 31-30 #5H / Devon Harroun Trust 31-30 #5H
Well: Devon Harroun Trust 31-30 #5H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Devon Harroun Trust 31-30 #5H REV0 SB 26-OCT-12
Survey Date: October 26, 2012
Tort / AHD / DDI / ERD Ratio: 122 399' / 7369 873 ft / 6 280 / 1 152
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 15' 18.43039", W 104° 1' 9.99808"
Location Grid N/E Y/X: N 456887 600 ftUS, E 638369 300 RUS
CRS Grid Convergence Angle: 0.1675°
Grid Scale Factor: 0.99991987

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 4.188° (Gnd North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB
TVD Reference Elevation: 2982.300 ft above
Seabed / Ground Elevation: 2957.300 ft above
Magnetic Declination: 7.729°
Total Gravity Field Strength: 999.2095 mgn (9.8 based)
Total Magnetic Field Strength: 48435.768 nT
Magnetic Dip Angle: 60.063°
Declination Date: October 26, 2012
Magnetic Declination Model: BGGM 2012
North Reference: Gnd North
Grid Convergence Used: 0.1675°
Total Corr Mag North->Grid North: 7.5619°
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0.00	0.00	32.40	0.00	0.00	0.00	0.00	N/A	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	100.00	0.00	32.40	100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	200.00	0.00	32.40	200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	300.00	0.00	32.40	300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	400.00	0.00	32.40	400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	500.00	0.00	32.40	500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	600.00	0.00	32.40	600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	700.00	0.00	32.40	700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	800.00	0.00	32.40	800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	900.00	0.00	32.40	900.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1000.00	0.00	32.40	1000.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1100.00	0.00	32.40	1100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1200.00	0.00	32.40	1200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1300.00	0.00	32.40	1300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1400.00	0.00	32.40	1400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1500.00	0.00	32.40	1500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1600.00	0.00	32.40	1600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1700.00	0.00	32.40	1700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1800.00	0.00	32.40	1800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	1900.00	0.00	32.40	1900.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2000.00	0.00	32.40	2000.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2100.00	0.00	32.40	2100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2200.00	0.00	32.40	2200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2300.00	0.00	32.40	2300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2400.00	0.00	32.40	2400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2500.00	0.00	32.40	2500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2600.00	0.00	32.40	2600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2700.00	0.00	32.40	2700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2800.00	0.00	32.40	2800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	2900.00	0.00	32.40	2900.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3000.00	0.00	32.40	3000.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3100.00	0.00	32.40	3100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3200.00	0.00	32.40	3200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3300.00	0.00	32.40	3300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3400.00	0.00	32.40	3400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3500.00	0.00	32.40	3500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3600.00	0.00	32.40	3600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3700.00	0.00	32.40	3700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3800.00	0.00	32.40	3800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	3900.00	0.00	32.40	3900.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4000.00	0.00	32.40	4000.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4100.00	0.00	32.40	4100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4200.00	0.00	32.40	4200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4300.00	0.00	32.40	4300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4400.00	0.00	32.40	4400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4500.00	0.00	32.40	4500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4600.00	0.00	32.40	4600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4700.00	0.00	32.40	4700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4800.00	0.00	32.40	4800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	4900.00	0.00	32.40	4900.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5000.00	0.00	32.40	5000.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5100.00	0.00	32.40	5100.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5200.00	0.00	32.40	5200.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5300.00	0.00	32.40	5300.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5400.00	0.00	32.40	5400.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5500.00	0.00	32.40	5500.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5600.00	0.00	32.40	5600.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5700.00	0.00	32.40	5700.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00
	5800.00	0.00	32.40	5800.00	0.00	0.00	0.00	0.00	456887.60	638369.30	N 32 15 18.43 W 104 1	10.00

Comments	MD (ft)	Incl (°)	Azim Grd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
KOP start build @ 10°/100 @ 32.4 AZI	5827.04	0.00	32.40	5827.04	0.00	0.00	0.00	0.00	456687.60	636389.30	N 32 15 18.43 W 104 1	10.00
	5900.00	7.30	32.40	5899.80	4.09	3.92	2.49	10.00	456691.52	638371.79	N 32 15 18.47 W 104 1	9.97
	6000.00	17.30	32.40	5997.39	22.83	21.88	13.88	10.00	456709.47	638383.18	N 32 15 18.85 W 104 1	9.84
	6100.00	27.30	32.40	6089.79	56.22	53.87	34.19	10.00	456741.46	638403.48	N 32 15 18.96 W 104 1	9.60
	6200.00	37.30	32.40	6174.21	103.24	98.92	62.78	10.00	456786.51	638432.07	N 32 15 19.41 W 104 1	9.26
	6300.00	47.30	32.40	6248.09	162.47	155.67	98.79	10.00	456843.26	638468.08	N 32 15 19.97 W 104 1	8.84
	6400.00	57.30	32.40	6309.17	232.10	222.39	141.13	10.00	456909.97	638510.42	N 32 15 20.63 W 104 1	8.35
	6500.00	67.30	32.40	6355.80	310.02	297.05	188.51	10.00	456984.62	638557.80	N 32 15 21.36 W 104 1	7.79
	6600.00	77.30	32.40	6385.97	393.86	377.38	239.49	10.00	457064.95	638608.77	N 32 15 22.16 W 104 1	7.20
	6700.00	87.30	32.40	6399.36	481.08	460.94	292.52	10.00	457148.50	638661.80	N 32 15 22.98 W 104 1	6.58
EOC Land @ 90 INC	6727.04	90.00	32.40	6400.00	504.89	483.76	307.01	10.00	457171.32	638676.28	N 32 15 23.21 W 104 1	6.41
	6800.00	90.00	29.48	6400.00	570.04	546.34	344.51	4.00	457233.89	638713.79	N 32 15 23.83 W 104 1	5.97
	6900.00	90.00	25.48	6400.00	661.87	635.03	390.65	4.00	457322.58	638759.92	N 32 15 24.70 W 104 1	5.43
	7000.00	90.00	21.48	6400.00	756.23	726.73	430.49	4.00	457414.27	638799.75	N 32 15 25.61 W 104 1	4.96
	7100.00	90.00	17.48	6400.00	852.67	820.99	463.83	4.00	457508.52	638833.09	N 32 15 26.54 W 104 1	4.57
	7200.00	90.00	13.48	6400.00	950.72	917.34	490.52	4.00	457604.87	638859.78	N 32 15 27.49 W 104 1	4.25
	7300.00	90.00	9.48	6400.00	1049.89	1015.32	510.42	4.00	457702.84	638879.68	N 32 15 28.46 W 104 1	4.02
	7400.00	90.00	5.48	6400.00	1149.70	1114.45	523.44	4.00	457801.96	638892.70	N 32 15 29.44 W 104 1	3.86
	7500.00	90.00	1.48	6400.00	1249.67	1214.24	529.51	4.00	457901.74	638898.77	N 32 15 30.43 W 104 1	3.79
Tum @ 4°/100 to 0 AZI	7537.03	90.00	0.00	6400.00	1286.63	1251.27	529.99	4.00	457938.76	638899.25	N 32 15 30.80 W 104 1	3.78
	7600.00	90.00	0.00	6400.00	1349.44	1314.24	529.99	0.00	458001.73	638899.25	N 32 15 31.42 W 104 1	3.78
	7700.00	90.00	0.00	6400.00	1449.17	1414.24	529.99	0.00	458101.72	638899.25	N 32 15 32.41 W 104 1	3.78
	7800.00	90.00	0.00	6400.00	1548.90	1514.24	529.99	0.00	458201.72	638899.25	N 32 15 33.40 W 104 1	3.77
	7900.00	90.00	0.00	6400.00	1648.64	1614.24	529.99	0.00	458301.71	638899.25	N 32 15 34.39 W 104 1	3.77
	8000.00	90.00	0.00	6400.00	1748.37	1714.24	529.99	0.00	458401.70	638899.25	N 32 15 35.38 W 104 1	3.77
	8100.00	90.00	0.00	6400.00	1848.10	1814.24	529.99	0.00	458501.69	638899.25	N 32 15 36.37 W 104 1	3.76
	8200.00	90.00	0.00	6400.00	1947.83	1914.24	530.00	0.00	458601.68	638899.25	N 32 15 37.36 W 104 1	3.76
	8300.00	90.00	0.00	6400.00	2047.57	2014.24	530.00	0.00	458701.67	638899.25	N 32 15 38.35 W 104 1	3.76
	8400.00	90.00	0.00	6400.00	2147.30	2114.24	530.00	0.00	458801.67	638899.25	N 32 15 39.34 W 104 1	3.75
	8500.00	90.00	0.00	6400.00	2247.03	2214.24	530.00	0.00	458901.66	638899.26	N 32 15 40.33 W 104 1	3.75
	8600.00	90.00	0.00	6400.00	2346.77	2314.24	530.00	0.00	459001.65	638899.26	N 32 15 41.31 W 104 1	3.75
	8700.00	90.00	0.00	6400.00	2446.50	2414.24	530.00	0.00	459101.64	638899.26	N 32 15 42.30 W 104 1	3.74
	8800.00	90.00	0.00	6400.00	2546.23	2514.24	530.00	0.00	459201.63	638899.26	N 32 15 43.29 W 104 1	3.74
	8900.00	90.00	0.00	6400.00	2645.97	2614.24	530.00	0.00	459301.62	638899.26	N 32 15 44.28 W 104 1	3.74
	9000.00	90.00	0.00	6400.00	2745.70	2714.24	530.00	0.00	459401.62	638899.26	N 32 15 45.27 W 104 1	3.73
	9100.00	90.00	0.00	6400.00	2845.43	2814.24	530.00	0.00	459501.61	638899.26	N 32 15 46.26 W 104 1	3.73
	9200.00	90.00	0.00	6400.00	2945.17	2914.24	530.00	0.00	459601.60	638899.26	N 32 15 47.25 W 104 1	3.73
	9300.00	90.00	0.00	6400.00	3044.90	3014.24	530.01	0.00	459701.59	638899.26	N 32 15 48.24 W 104 1	3.72
	9400.00	90.00	0.00	6400.00	3144.63	3114.24	530.01	0.00	459801.58	638899.26	N 32 15 49.23 W 104 1	3.72
	9500.00	90.00	0.00	6400.00	3244.36	3214.24	530.01	0.00	459901.57	638899.26	N 32 15 50.22 W 104 1	3.72
	9600.00	90.00	0.00	6400.00	3344.10	3314.24	530.01	0.00	460001.57	638899.26	N 32 15 51.21 W 104 1	3.71
	9700.00	90.00	0.00	6400.00	3443.83	3414.24	530.01	0.00	460101.56	638899.27	N 32 15 52.20 W 104 1	3.71
	9800.00	90.00	0.00	6400.00	3543.56	3514.24	530.01	0.00	460201.55	638899.27	N 32 15 53.19 W 104 1	3.71
	9900.00	90.00	0.00	6400.00	3643.30	3614.24	530.01	0.00	460301.54	638899.27	N 32 15 54.18 W 104 1	3.70
	10000.00	90.00	0.00	6400.00	3743.03	3714.24	530.01	0.00	460401.53	638899.27	N 32 15 55.17 W 104 1	3.70
	10100.00	90.00	0.00	6400.00	3842.76	3814.24	530.01	0.00	460501.53	638899.27	N 32 15 56.16 W 104 1	3.70
	10200.00	90.00	0.00	6400.00	3942.50	3914.24	530.01	0.00	460601.52	638899.27	N 32 15 57.15 W 104 1	3.69
	10300.00	90.00	0.00	6400.00	4042.23	4014.24	530.01	0.00	460701.51	638899.27	N 32 15 58.14 W 104 1	3.69
	10400.00	90.00	0.00	6400.00	4141.96	4114.24	530.02	0.00	460801.50	638899.27	N 32 15 59.13 W 104 1	3.69
	10500.00	90.00	0.00	6400.00	4241.69	4214.24	530.02	0.00	460901.49	638899.27	N 32 16 0.12 W 104 1	3.68
	10600.00	90.00	0.00	6400.00	4341.43	4314.24	530.02	0.00	461001.49	638899.27	N 32 16 1.10 W 104 1	3.68
	10700.00	90.00	0.00	6400.00	4441.16	4414.24	530.02	0.00	461101.48	638899.27	N 32 16 2.09 W 104 1	3.68
	10800.00	90.00	0.00	6400.00	4540.89	4514.24	530.02	0.00	461201.47	638899.28	N 32 16 3.08 W 104 1	3.67
	10900.00	90.00	0.00	6400.00	4640.63	4614.24	530.02	0.00	461301.46	638899.28	N 32 16 4.07 W 104 1	3.67
	11000.00	90.00	0.00	6400.00	4740.36	4714.24	530.02	0.00	461401.45	638899.28	N 32 16 5.06 W 104 1	3.66
	11100.00	90.00	0.00	6400.00	4840.09	4814.24	530.02	0.00	461501.44	638899.28	N 32 16 6.05 W 104 1	3.66
	11200.00	90.00	0.00	6400.00	4939.83	4914.24	530.02	0.00	461601.44	638899.28	N 32 16 7.04 W 104 1	3.66
	11300.00	90.00	0.00	6400.00	5039.56	5014.24	530.02	0.00	461701.43	638899.28	N 32 16 8.03 W 104 1	3.65
	11400.00	90.00	0.00	6400.00	5139.29	5114.24	530.02	0.00	461801.42	638899.28	N 32 16 9.02 W 104 1	3.65
	11500.00	90.00	0.00	6400.00	5239.02	5214.24	530.03	0.00	461901.41	638899.28	N 32 16 10.01 W 104 1	3.65
	11600.00	90.00	0.00	6400.00	5338.76	5314.24	530.03	0.00	462001.40	638899.28	N 32 16 11.00 W 104 1	3.64
	11700.00	90.00	0.00	6400.00	5438.49	5414.24	530.03	0.00	462101.39	638899.28	N 32 16 11.99 W 104 1	3.64
	11800.00	90.00	0.00	6400.00	5538.22	5514.24	530.03	0.00	462201.39	638899.28	N 32 16 12.98 W 104 1	3.64
	11900.00	90.00	0.00	6400.00	5637.96	5614.24	530.03	0.00	462301.38	638899.29	N 32 16 13.97 W 104 1	3.63
	12000.00	90.00	0.00	6400.00	5737.69	5714.24	530.03	0.00	462401.37	638899.29	N 32 16 14.96 W 104 1	3.63
	12100.00	90.00	0.00	6400.00	5837.42	5814.24	530.03	0.00	462501.36	638899.29	N 32 16 15.95 W 104 1	3.63
	12200.00	90.00	0.00	6400.00	5937.16	5914.24	530.03	0.00	462601.35	638899.29	N 32 16 16.94 W 104 1	3.62
	12300.00	90.00	0.00	6400.00	6036.89	6014.24	530.03	0.00	462701.35	638899.29	N 32 16 17.93 W 104 1	3.62
	12400.00	90.00	0.00	6400.00	6136.62	6114.24	530.03	0.00	462801.34	638899.29	N 32 16 18.92 W 104 1	3.62
	12500.00	90.00	0.00	6400.00	6236.35	6214.24	530.03	0.00	462901.33	638899.29	N 32 16 19.91 W 104 1	3.61
	12600.00	90.00	0.00	6400.00	6336.09	6314.24	530.04	0.00	463001.32	638899.29	N 32 16 20.89 W 104 1	3.61
	12700.00	90.00	0.00	6400.00	6435.82	6414.24	530.04	0.00	463101.31	638899.29	N 32 16 21.88 W 104 1	3.61
	12800.00	90.00	0.00	6400.00	6535.55	6514.24	530.04	0.00	463201.30	638899.29	N 32 16 22.87 W 104 1	3.60
	12900.00	90.00	0.00	6400.00	6635.29	6614.24	530.04	0.00	463301.30	638899.29	N 32 16 23.86 W 104 1	3.60
	13000.00	90.00	0.00	6400.00	6735.02	6714.24	530.04	0.00	463401.29	638899.30	N 32 16 24.85 W 104 1	3.60
	13100.00	90.00	0.00	6400.00	6834.75	6814.24	530.04	0.00	463501.28	638899.30	N 32 16 25.84 W 104 1	3.59
	13200.00	90.00	0.00	6400.00	6934.49	6914.24	530.04	0.00	463601.27	638899.30	N 32 16 26.83 W 104 1	3.

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Devon Harroun Trust 31-30 #5H PBHL	13500 00	90 00	0 00	6400 00	7233 68	7214 24	530 04	0 00	463901 25	638899 30	N 32 16 29 80	W 104 1 3 58
	13523 95	90 00	0 00	6400 00	7257 58	7238 19	530 04	0 00	463925 20	638899 30	N 32 16 30 04	W 104 1 3 58

Survey Type. Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95 000% Confidence 2 7955 sigma
Survey Program

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0 000	25 000	1/100 000	30 000	30 000	SLB_MWD-STD-Depth Only	Original Borehole / Devon Harroun Trust 31-30 #5H REV0
	25 000	13523 955	1/100 000	30 000	30 000	SLB_MWD-STD	Original Borehole / Devon Harroun Trust 31-30 #5H REV0

Devon Harroun Trust 31-30 #5H REV0 SB 26-OCT-12 Anti-Collision Summary Report

Analysis Date-24hr Time

Client:

Field:

Structure:

Slot:

Well:

Borehole:

October 26, 2012 - 15:00

Devon

NM Eddy County (NAD 83)

Devon Harroun Trust 31-30 #5H

Devon Harroun Trust 31-30 #5H

Devon Harroun Trust 31-30 #5H

Original Borehole

Analysis Method

Reference Trajectory:

Depth Interval:

Rule Set:

Min Pts

3D Least Distance

Devon Harroun Trust 31-30 #5H REV0 SB 26-OCT-12 (Def Plan)

Every 10.00 Measured Depth (ft)

D&M Anti-Collision Standard S002 v5 1/5 2

All local minima indicated

Offset Trajectories Summary

Offset Selection Criteria

Wellhead distance scan

Selection filters

Global within 54534.45 ft

Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans

All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev (ft)	Sep Fact	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Chevron Sothel AV 26-2H Pilot Gyro Off 6458ft MD (Def Survey)													
													Pass
13665.22	32.81	13662.69	13632.41	438702.94	MAS = 10.00 (m)	0.00	0.00					MinPts	
13664.02	32.81	13659.70	13631.21	7514.47	MAS = 10.00 (m)	440.00	440.00					MinPts	
13664.32	32.81	13659.43	13631.51	5726.13	MAS = 10.00 (m)	560.00	560.00					MINPT-O-EQU	
13625.12	32.81	13606.61	13592.31	851.58	MAS = 10.00 (m)	3540.00	3540.00					MinPts	
13625.80	32.81	13605.17	13592.99	751.73	MAS = 10.00 (m)	4030.00	4030.00					MINPT-O-EQU	
13623.14	41.48	13594.64	13581.68	524.63	OSF 1.50	5850.00	5849.99					MinPt-CtCt	
13623.15	41.54	13594.61	13581.61	523.82	OSF 1.50	5860.00	5859.98					MINPT-O-EQU	
13623.19	41.60	13594.61	13581.55	523.02	OSF 1.50	5870.00	5869.96					MinPt-O-ADP	
13118.69	170.96	13003.89	12947.74	116.79	OSF 1.50	11490.00	8400.00					MinPt-CtCt	
13121.30	178.83	13001.24	12942.47	111.60	OSF 1.50	11750.00	8400.00					MINPT-O-EQU	
13124.53	182.75	13001.86	12941.78	109.20	OSF 1.50	11880.00	8400.00					MinPt-O-ADP	
13275.62	230.89	13120.86	13044.73	87.17	OSF 1.50	13523.95	8400.00					MinPt-O-SF	
Chevron Sothel AV 26-2H ST01 gyro+mwd Off to 11060ft (Def Survey)													
													Pass
13665.22	32.81	13662.69	13632.41	438702.94	MAS = 10.00 (m)	0.00	0.00					MinPts	
13664.02	32.81	13659.70	13631.21	7514.47	MAS = 10.00 (m)	440.00	440.00					MinPts	
13664.32	32.81	13659.43	13631.51	5726.13	MAS = 10.00 (m)	560.00	560.00					MINPT-O-EQU	
13625.12	32.81	13606.61	13592.31	851.58	MAS = 10.00 (m)	3540.00	3540.00					MinPts	
13625.80	32.81	13605.17	13592.99	751.73	MAS = 10.00 (m)	4030.00	4030.00					MINPT-O-EQU	
13623.59	41.33	13595.21	13582.26	526.20	OSF 1.50	5830.00	5830.00					MinPt-CtCt	
13623.60	41.39	13595.18	13582.22	525.37	OSF 1.50	5840.00	5840.00					MINPT-O-EQU	
13623.65	41.45	13595.19	13582.20	524.56	OSF 1.50	5850.00	5849.99					MinPt-O-ADP	
13127.30	171.11	13012.39	12956.19	116.78	OSF 1.50	11500.00	8400.00					MinPt-CtCt	
13129.86	178.98	13009.71	12950.89	111.58	OSF 1.50	11760.00	8400.00					MINPT-O-EQU	
13133.37	183.20	13010.41	12950.18	109.00	OSF 1.50	11900.00	8400.00					MinPt-O-ADP	
13182.58	208.82	13042.53	12973.75	95.82	OSF 1.50	12710.00	8400.00					MinPts	
13222.45	225.58	13071.23	12996.87	88.89	OSF 1.50	13220.00	8400.00					MinPts	
13248.55	235.69	13088.59	13010.86	85.19	OSF 1.50	13523.95	8400.00					MinPt-O-SF	
Chevron Pardue Farms 26-3 Gyros Off to 6058ft (Def Survey)													
													Pass
15135.36	32.81	15132.76	15102.55	174973.79	MAS = 10.00 (m)	0.00	0.00					MinPts	
15059.59	50.59	15025.03	15009.00	489.70	OSF 1.50	6070.00	6062.78					MinPt-CtCt	
15059.71	50.92	15024.93	15008.79	486.44	OSF 1.50	6140.00	6124.87					MINPT-O-EQU	
15059.83	51.07	15024.95	15008.76	485.00	OSF 1.50	6170.00	6149.88					MinPt-O-ADP	
13185.11	236.12	13026.86	12948.99	84.64	OSF 1.50	13523.95	8400.00					MinPts	
Chevron Pardue Farms 26-4 Gyros Off to 6150ft (Def Survey)													
													Pass
15934.89	32.81	15932.34	15902.08	333085.55	MAS = 10.00 (m)	0.00	0.00					MinPts	
15885.88	32.81	15864.33	15853.07	834.17	MAS = 10.00 (m)	3670.00	3670.00					MinPts	
15886.01	32.81	15863.62	15853.20	807.00	MAS = 10.00 (m)	3850.00	3850.00					MinPts	
15886.20	32.81	15863.62	15853.39	791.08	MAS = 10.00 (m)	3960.00	3960.00					MINPT-O-EQU	
15886.48	32.94	15863.68	15853.53	782.59	OSF 1.50	4020.00	4020.00					MinPt-O-ADP	
15886.59	33.03	15863.74	15853.56	780.29	OSF 1.50	4040.00	4040.00					MinPt-O-SF	
15886.88	33.63	15863.49	15853.05	780.47	OSF 1.50	4210.00	4210.00					MINPT-O-EQU	
15887.17	34.23	15863.52	15852.94	750.93	OSF 1.50	4300.00	4300.00					MinPt-O-ADP	
15888.27	36.95	15862.81	15851.33	691.78	OSF 1.50	4880.00	4880.00					MINPT-O-EQU	
15889.09	38.05	15862.89	15851.04	670.27	OSF 1.50	5110.00	5110.00					MinPt-O-EQU	
15889.64	38.72	15862.99	15850.92	657.94	OSF 1.50	5230.00	5230.00					MinPt-O-ADP	
13288.86	234.43	13131.55	13054.43	86.14	OSF 1.50	13523.95	8400.00					MinPts	
Chevron Pardue Farms 26-2 Inclination Only Off to 977ft (Def Survey)													
													Pass
16678.08	32.81	16668.73	16645.27	2432.08	MAS = 10.00 (m)	0.00	0.00					Surface	
14181.57	237.20	14022.44	13944.37	90.60	OSF 1.50	13523.95	8400.00					MinPts	
Chevron Pardue Farms AV 26-1H Gyro+MWD Off to 9273ft (Def Survey)													
													Pass
16192.02	95.72	16127.37	16096.30	260.51	OSF 1.50	0.00	0.00					Surface	
14806.89	108.85	14733.07	14698.04	211.30	OSF 1.50	5950.00	5949.06					MinPt-CtCt	
14806.90	108.88	14733.06	14698.02	211.25	OSF 1.50	5960.00	5958.81					MinPts	
14293.55	206.58	14154.99	14086.96	105.04	OSF 1.50	11700.00	6400.00					MinPt-CtCt	
14295.84	213.42	14152.73	14082.42	101.65	OSF 1.50	11960.00	6400.00					MINPT-O-EQU	
14297.04	215.00	14152.87	14082.04	100.90	OSF 1.50	12020.00	6400.00					MinPts	
14299.15	208.92	14159.04	14090.23	103.89	OSF 1.50	12110.00	6400.00					MinPt-O-ADP	
14346.04	233.00	14189.87	14113.04	93.34	OSF 1.50	13060.00	6400.00					MinPt-O-SF	
14379.00	244.03	14215.48	14134.98	89.29	OSF 1.50	13523.95	8400.00					MinPt-O-SF	
Chevron Sothel BC 26-1H Rev0 mnc 3-Apr-12 (Def Plan)													
													Pass
14888.66	32.81	14888.06	14855.86	147387.28	MAS = 10.00 (m)	0.00	0.00					Surface	
14888.66	56.73	14850.01	14831.83	411.73	OSF 1.50	5827.04	5827.04					MinPt-CtCt	
14888.69	56.85	14849.96	14831.84	410.85	OSF 1.50	5840.00	5840.00					MINPT-O-EQU	
14888.76	56.94	14849.96	14831.82	410.18	OSF 1.50	5850.00	5849.99					MinPt-O-ADP	
14444.98	178.19	14325.35	14266.79	123.31	OSF 1.50	11580.00	8400.00					MinPt-CtCt	
14447.86	186.79	14322.50	14261.07	117.58	OSF 1.50	11870.00	8400.00					MINPT-O-EQU	
14451.33	190.94	14323.21	14260.40	115.02	OSF 1.50	12010.00	8400.00					MinPt-O-ADP	
14575.00	235.04	14417.47	14339.96	84.00	OSF 1.50	13523.95	8400.00					MinPt-O-SF	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Chevron Sohail BC 26-1H ST01 Rev0 mnc3-Apr-12 (Non-Def Plan)													
	14888 86	32 81	14886 06	14855 86	147387 28	MAS = 10 00 (m)	0 00	0 00					Pass
	14888 66	53 02	14852 48	14835 84	441 99	OSF 1 50	5430 00	5430 00				Surface	
	14888 75	53 35	14852 34	14835 39	439 10	OSF 1 50	5490 00	5490 00				MinPt-CtCt	
	14888 87	53 50	14852 37	14835 37	437 81	OSF 1 50	5520 00	5520 00				MinPt-O-ADP	
	14465 22	179 55	14344 69	14285 67	122 53	OSF 1 50	11670 00	6400 00				MinPt-CtCt	
	14468 50	189 19	14341 54	14279 30	116 23	OSF 1 50	11990 00	6400 00				MinPt-O-EOU	
	14472 78	194 33	14342 39	14278 45	113 15	OSF 1 50	12160 00	6400 00				MinPt-O-ADP	
	14556 04	237 46	14396 90	14318 58	92 91	OSF 1 50	13523 95	6400 00				MinPt-O-SF	
Chevron Pardue Farms AV 26-1H Gyro+ Inc. Only Off to 13100R (Def Survey)													
	16304 18	32 81	16301 23	16271 37	35808 41	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	16231 60	43 21	16201 96	16188 39	598 14	OSF 1 50	4780 00	4780 00				MinPt-CtCt	
	16231 53	44 28	16201 18	16187 25	582 82	OSF 1 50	4970 00	4970 00				MinPt-CtCt	
	16231 65	44 80	16200 95	16186 86	575 62	OSF 1 50	5070 00	5070 00				MinPt-O-EOU	
	16231 36	49 24	16197 70	16182 13	521 04	OSF 1 50	5860 00	5859 98				MinPt-CtCt	
	16231 48	49 64	16197 55	16181 84	516 59	OSF 1 50	5930 00	5929 45				MinPt-O-EOU	
	16231 81	49 79	16197 58	16181 82	514 88	OSF 1 50	5960 00	5958 81				MinPt-O-ADP	
	16237 23	53 35	16200 83	16183 85	478 93	OSF 1 50	6330 00	6267 85				MinPt-O-ADP	
	14477 54	237 77	14318 20	14239 77	92 29	OSF 1 50	13523 95	6400 00				MinPts	
Survey-Chevron Heritage 2-15 #1H Gyro+MWD Off to 12352R (Def Survey)													
	23988 89	32 81	23979 86	23956 09	3670 81	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	23984 62	73 23	23934 96	23911 39	508 61	OSF 1 50	870 00	870 00				MinPt-CtCt	
	23985 90	82 56	23930 02	23903 34	449 34	OSF 1 50	1240 00	1240 00				MinPts	
	23948 77	194 02	23818 58	23754 75	187 57	OSF 1 50	3690 00	3690 00				MinPts	
	23948 77	193 78	23818 74	23754 99	187 81	OSF 1 50	3710 00	3710 00				MinPt-CtCt	
	20318 40	514 44	19973 85	19803 96	59 78	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Heritage 2-15 #1H Gyro Off to 8448R MD (Def Survey)													
	23988 89	32 81	23979 86	23956 09	3670 81	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	23984 62	73 23	23934 96	23911 39	508 61	OSF 1 50	870 00	870 00				MinPt-CtCt	
	23985 90	82 56	23930 02	23903 34	449 34	OSF 1 50	1240 00	1240 00				MinPts	
	23948 77	194 02	23818 58	23754 75	187 57	OSF 1 50	3690 00	3690 00				MinPts	
	23948 77	193 78	23818 74	23754 99	187 81	OSF 1 50	3710 00	3710 00				MinPt-CtCt	
	20337 49	519 23	19989 75	19818 26	59 28	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Nymeyer A-3 Offset Inclination only Off to 6450R (Def Survey)													
	25242 89	32 81	25240 07	25210 08	79285 73	MAS = 10 00 (m)	0 00	0 00				MinPts	Pass
	21345 10	1258 90	20504 12	20086 19	25 53	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Nymeyer 1 Offset Gyros Off to 9000R (Def Survey)													
	25872 00	32 81	25869 32	25839 19	142223 71	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	21626 98	214 98	21481 86	21412 00	154 76	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Nymeyer A-2 Offset Inclination only Off to 6149R (Def Survey)													
	26128 63	32 81	26125 70	26095 82	81048 83	MAS = 10 00 (m)	0 00	0 00				MinPts	Pass
	26143 72	62 01	26101 54	26081 70	658 86	OSF 1 50	1310 00	1310 00				MINPT-O-EOU	
	21878 96	1103 74	21139 29	20773 21	29 87	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Heritage 2-15 #2H Rev1 MDT-10-OCT-12 (Def Plan)													
	25253 58	32 81	25250 95	25220 77	202248 12	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	21938 10	228 68	21782 14	21707 41	146 74	OSF 1 50	13523 95	6400 00				MinPts	
Chevron Nymeyer A-1 Offset Inclination Only Off to 6390R (Def Survey)													
	27057 80	32 81	27054 85	27024 95	58642 23	MAS = 10 00 (m)	0 00	0 00				MinPts	Pass
	22655 85	853 11	22085 21	21802 74	40 09	OSF 1 50	13523 95	6400 00				MinPts	
Chesapeake PLU Big Swks 26 Federal 1H Rev0 LDH 22-Sep-09 (Def Plan)													
	39633 13	107 35	39559 86	39525 78	581 54	OSF 1 50	0 00	0 00				Surface	Pass
	38906 82	114 06	38828 53	38792 76	543 74	OSF 1 50	5890 00	5889 87				MinPts	
	44933 22	155 47	44828 74	44777 75	440 58	OSF 1 50	13523 95	6400 00				MinPt-O-SF	
Southwestern Carlsbad 11 3H Rev0 LDH 11-Nov-05 (Non-Def Plan)													
	42800 11	32 81	42796 58	42787 30	41707 08	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	42800 11	48 25	42767 11	42751 86	1403 31	OSF 1 50	4730 00	4730 00				MinPt-CtCt	
	42800 33	48 89	42786 90	42751 43	1383 70	OSF 1 50	4870 00	4870 00				MINPT-O-EOU	
	42800 56	49 17	42786 94	42751 39	1375 50	OSF 1 50	4930 00	4930 00				MinPt-O-ADP	
	49070 23	122 74	48987 57	48947 49	612 11	OSF 1 50	13523 95	6400 00				MinPt-O-SF	
Survey Oxy Devon 8 Fee 2H Gyro+MWD Off to 12121ft (Def Survey)													
	48450 48	32 81	48447 25	48417 67	86267 44	MAS = 10 00 (m)	0 00	0 00				Surface	Pass
	48449 35	32 81	48445 36	48416 54	32443 32	MAS = 10 00 (m)	360 00	360 00				MinPts	
	48433 09	32 81	48419 69	48400 28	4442 60	MAS = 10 00 (m)	2240 00	2240 00				MinPts	
	48433 56	32 81	48419 22	48400 75	4092 56	MAS = 10 00 (m)	2470 00	2470 00				MINPT-O-EOU	
	48433 80	32 81	48419 22	48400 79	4078 42	MAS = 10 00 (m)	2480 00	2480 00				MinPt-O-SF	
	48433 11	32 81	48416 66	48400 30	3473 32	MAS = 10 00 (m)	2980 00	2980 00				MinPts	
	48434 12	32 81	48415 59	48401 31	3020 68	MAS = 10 00 (m)	3530 00	3530 00				MINPT-O-EOU	
	48435 36	32 81	48415 09	48402 55	2726 25	MAS = 10 00 (m)	3990 00	3990 00				MINPT-O-EOU	
	48441 65	34 90	48417 55	48406 73	2242 41	OSF 1 50	4920 00	4920 00				MinPt-O-ADP	
	48446 89	39 68	48419 80	48407 21	1954 45	OSF 1 50	5610 00	5610 00				MinPt-O-ADP	
	48982 19	45 53	48951 00	48936 66	1707 36	OSF 1 50	6680 00	6398 07				MinPt-O-SF	
	54985 21	108 98	54911 72	54878 23	774 57	OSF 1 50	13523 95	6400 00				MinPt-O-SF	