

|                     |          |             |           |          |                   |
|---------------------|----------|-------------|-----------|----------|-------------------|
| 12-22-11<br>DATE IN | SUSPENSE | ENGINEER DB | LOGGED IN | TYPE NSL | APP NO 1136231425 |
|---------------------|----------|-------------|-----------|----------|-------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



Devon  
 Beryl 33 Fed # 1H

6542

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ken Gray  
 Print or Type Name

Ken Gray  
 Signature

SENIOR ADVISOR, LAND 12/22/11  
 Title Date

KEN.GRAY@DEVN.COM  
 e-mail Address

M-33-195-29E

# devon

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-9260

FAX

To: DAVID BROOKS

From: KEN GRAY

Fax: 505-476-3462

Date: 12/22/11

Phone:

Pages: 17 (including cover page)

Re: BERYL 33 FEDERAL #14 CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

• Comments:



devon

Ken Gray  
Senior Advisor, Land

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8280  
Office: (405) 552-4633  
Fax: (405) 552-8113

December 22, 2011

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
Attn: David Brooks

Re: Beryl 33 Federal #1H  
SHL 50' FSL & 400' FWL  
BHL 330' FNL & 400' FWL  
Section 33-19S-29E  
Eddy County, New Mexico

Gentlemen:

Devon Energy Production Company, L.P. (Devon), as Operator, intends to drill the referenced horizontal 2<sup>nd</sup> Bone Spring well to a TVD of approximately 7,970' with a TMD of approximately 12,638' at an unorthodox surface location pursuant to statewide pool rules. Devon will penetrate the top of the Bone Spring formation in the vertical portion of the wellbore at a depth of approximately 5,415'. The necessity for drilling from an unorthodox surface location is to maximize the productive length of the lateral portion of wellbore. Although the target formation will be penetrated at an unorthodox location, the highest perforation in the well will not occur closer than 330' FSL of said Section 33.

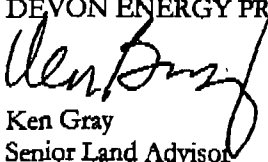
Inasmuch as this well will be producing from an unorthodox surface location from that permitted by the statewide pool rules, Devon respectfully requests that the Commission administratively approve this application for an unorthodox location in accordance with Division Rule 104(F)(3). Devon's records reflect that the affected persons to this application are the Division-designated operators of properties located in the W/2 Section 4-T20S-R29E and the E/2 Section 5-T20S-R29E, such affected persons being Mewbourne Oil Company and Cimarex Energy Co., both of whom have been given notice of this application. Additionally, Devon requests Commission approval to designate a 160 acre project area consisting of four (4) standard oil spacing units comprised of the W/2 W/2 (unit letters D, E, L & M) of said section 33.

Attached you will find a 2<sup>nd</sup> Bone Spring lower sand isopach map, a State of New Mexico form C-102, a land plat reflecting the affected persons, a Pathfinder Directional Planning Report and copies of notification letters to the affected persons.

If there are any questions or if additional information is required feel free to call me at (405) 552-4633.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.



Ken Gray  
Senior Land Advisor



**District I**

1625 N French Dr., Hobbs, NM 88240

**District II**

1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-102

Revised October 15, 2009

Submit one copy to appropriate  
District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                   |                                                               |                                                |
|-----------------------------------|---------------------------------------------------------------|------------------------------------------------|
| API Number<br><b>30-015-39790</b> | Pool Code<br><b>49622</b>                                     | Pool Name<br><b>HACKBERRY; BONE SPRING, NW</b> |
| Property Code                     | Property Name<br><b>BERYL "33" FEDERAL</b>                    | Well Number<br><b>1H</b>                       |
| GRID No.<br><b>6137</b>           | Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | Elevation<br><b>3302.6</b>                     |

**" Surface Location**

| TL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>M</b>      | <b>33</b> | <b>19 S</b> | <b>29 E</b> |         | <b>50</b>     | <b>SOUTH</b>     | <b>400</b>    | <b>WEST</b>    | <b>EDDY</b> |

**" Bottom Hole Location If Different From Surface**

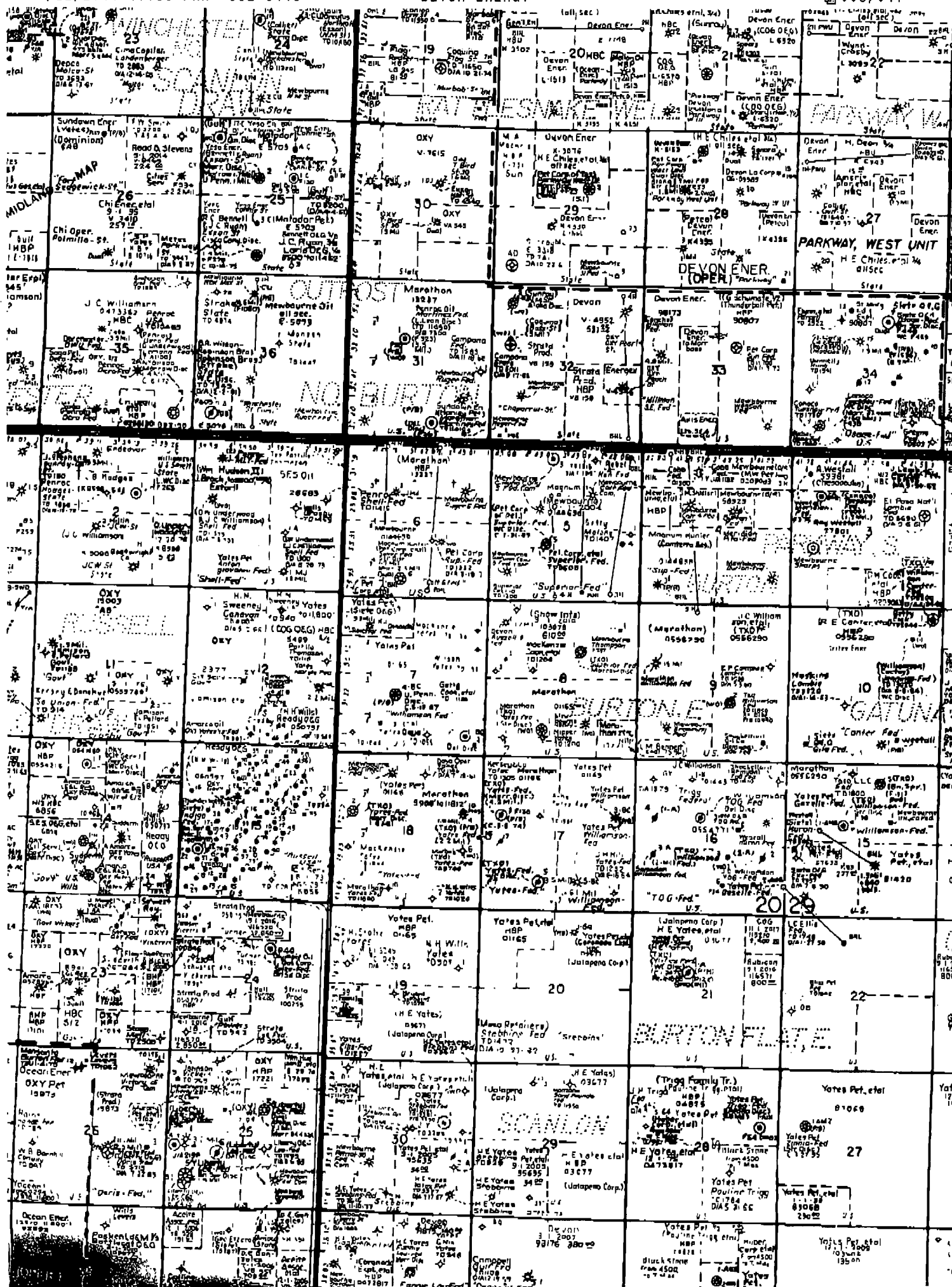
| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>D</b>      | <b>33</b> | <b>19 S</b> | <b>29 E</b> |         | <b>330</b>    | <b>NORTH</b>     | <b>400</b>    | <b>WEST</b>    | <b>EDDY</b> |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| <b>160</b>      |                 |                    |           |

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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>BOTTOM OF HOLE</b><br/>LAT. = 32.623634<br/>LONG. = 104.087121<br/>NMSP EAST (FT)<br/>N = 590894.75<br/>E = 617138.42</p> <p><b>NE CORNER SEC. 33</b><br/>LAT. = 32.624474<br/>LONG. = 104.071309<br/>NMSP EAST (FT)<br/>N = 591012.00<br/>E = 622007.00</p> <p><b>SW CORNER SEC. 33</b><br/>LAT. = 32.610038<br/>LONG. = 104.088440<br/>NMSP EAST (FT)<br/>N = 585748.45<br/>E = 616737.39</p> <p><b>SE CORNER SEC. 33</b><br/>LAT. = 32.608856<br/>LONG. = 104.071305<br/>NMSP EAST (FT)<br/>N = 585729.22<br/>E = 622021.04</p> <p><b>BERYL "33" FEDERAL 1H</b><br/>ELEV = 3302.6<br/>LAT. = 32.6100170 (NAD83)<br/>LONG. = 104.0871419<br/>NMSP EAST (FT)<br/>N = 585795.39<br/>E = 617143.47</p> <p><b>SURFACE</b><br/>ELEVATION</p> | <p><b>" OPERATOR CERTIFICATION</b><br/>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this information reflects a working interest or undivided interest in the land including the proposed bottom hole location in the proposed well in the land. This person is a citizen with an interest in such a mineral or working interest, or an individual person approved or a company person under authority entered by the division.</p> <p>Signature: <i>[Signature]</i><br/>Date: 6/14/2011<br/>Printed Name: <b>STEPHANIE A. YSASAGA</b></p> <p><b>"SURVEYOR CERTIFICATION</b><br/>I hereby certify that the well location shown on this plat was planned by the surveyor and that the same is true and correct to the best of my belief.</p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i><br/>Certificate Number: <b>58400 P JARVIS HILLO, PLS 12797</b><br/>SURVEY NO 307</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PENETRATION POINT: 330' FNL & 400' FWL**
 **PRODUCING AREA**
 **PROJECT AREA**





**Devon Energy, Inc.**

**Eddy County**

**Beryl 33 Fed**

**#1H**

**OH**

**Plan: Design #1**

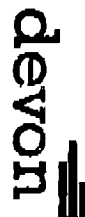
## **Pathfinder X&Y Report**

**22 July, 2011**

**PATHFINDER®**  
A Schlumberger Company







## Pathfinder

### Pathfinder X&Y Report

**PATHFINDER**  
A Schlumberger Company

|                    |                    |
|--------------------|--------------------|
| Executive Director | Dorcas Emery, Inc. |
| President          | Emily Curry        |
| Vice President     | Beryl S. Ford      |
| Secretary          | #141               |
| Treasurer          | OH                 |
| Manager            | Design #1          |

**Model 87H**  
108-26 @ 222M, 60JMS PHLAP 300J  
108-26 @ 222M, 60JMS PHLAP 300J  
**S&H**  
**Mechanism Cartridge**  
ECM R000, 1 Single User Cdr

| Year | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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**A Schumbecker Company**

Deaton Energy, Inc.  
Eddy County  
Box 33 Ford  
414  
ON  
Design #1

West 81H  
 RD-26 @ 3020,600m P.H.P. 3007  
 RD-26 @ 3020,600m P.H.P. 3003  
 DM  
 Laboratory Canselure  
 EEDM 8306.1 Single User Dis

[illegible]



## Pathfinder X&Y Report

**PATHFINDER**  
A Schlumberger Company

Down Energy, Inc.  
Eddy County  
Bury, N.D.  
814  
OH  
Design #1

**Phone 879-41**  
**RD-DT @ 2:20P, SOUND P-H-P 3001**  
**RDS-DT @ 2:50P, SOUND P-H-P 3001**  
**G-F-I**  
**Machinist Quarterly**  
**BCH 5068, 1 Single User Dto**

|           |      |      |           |          |      |      |      |      |      |      |            |            |
|-----------|------|------|-----------|----------|------|------|------|------|------|------|------------|------------|
| 5,400.00  | 0.00 | 0.00 | 5,400.00  | 2,071.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 5,500.00  | 0.00 | 0.00 | 5,500.00  | 2,171.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 5,600.00  | 0.00 | 0.00 | 5,600.00  | 2,271.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 5,700.00  | 0.00 | 0.00 | 5,700.00  | 2,371.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 5,800.00  | 0.00 | 0.00 | 5,800.00  | 2,471.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 5,900.00  | 0.00 | 0.00 | 5,900.00  | 2,571.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,000.00  | 0.00 | 0.00 | 6,000.00  | 2,671.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,100.00  | 0.00 | 0.00 | 6,100.00  | 2,771.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,200.00  | 0.00 | 0.00 | 6,200.00  | 2,871.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,300.00  | 0.00 | 0.00 | 6,300.00  | 2,971.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,400.00  | 0.00 | 0.00 | 6,400.00  | 3,071.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,500.00  | 0.00 | 0.00 | 6,500.00  | 3,171.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,600.00  | 0.00 | 0.00 | 6,600.00  | 3,271.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,700.00  | 0.00 | 0.00 | 6,700.00  | 3,371.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,800.00  | 0.00 | 0.00 | 6,800.00  | 3,471.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 6,900.00  | 0.00 | 0.00 | 6,900.00  | 3,571.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,000.00  | 0.00 | 0.00 | 7,000.00  | 3,671.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,100.00  | 0.00 | 0.00 | 7,100.00  | 3,771.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,200.00  | 0.00 | 0.00 | 7,200.00  | 3,871.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,300.00  | 0.00 | 0.00 | 7,300.00  | 3,971.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,400.00  | 0.00 | 0.00 | 7,400.00  | 4,071.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,500.00  | 0.00 | 0.00 | 7,500.00  | 4,171.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,600.00  | 0.00 | 0.00 | 7,600.00  | 4,271.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,700.00  | 0.00 | 0.00 | 7,700.00  | 4,371.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,800.00  | 0.00 | 0.00 | 7,800.00  | 4,471.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 7,900.00  | 0.00 | 0.00 | 7,900.00  | 4,571.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,000.00  | 0.00 | 0.00 | 8,000.00  | 4,671.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,100.00  | 0.00 | 0.00 | 8,100.00  | 4,771.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,200.00  | 0.00 | 0.00 | 8,200.00  | 4,871.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,300.00  | 0.00 | 0.00 | 8,300.00  | 4,971.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,400.00  | 0.00 | 0.00 | 8,400.00  | 5,071.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,500.00  | 0.00 | 0.00 | 8,500.00  | 5,171.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,600.00  | 0.00 | 0.00 | 8,600.00  | 5,271.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,700.00  | 0.00 | 0.00 | 8,700.00  | 5,371.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,800.00  | 0.00 | 0.00 | 8,800.00  | 5,471.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 8,900.00  | 0.00 | 0.00 | 8,900.00  | 5,571.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,000.00  | 0.00 | 0.00 | 9,000.00  | 5,671.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,100.00  | 0.00 | 0.00 | 9,100.00  | 5,771.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,200.00  | 0.00 | 0.00 | 9,200.00  | 5,871.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,300.00  | 0.00 | 0.00 | 9,300.00  | 5,971.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,400.00  | 0.00 | 0.00 | 9,400.00  | 6,071.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,500.00  | 0.00 | 0.00 | 9,500.00  | 6,171.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,600.00  | 0.00 | 0.00 | 9,600.00  | 6,271.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,700.00  | 0.00 | 0.00 | 9,700.00  | 6,371.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,800.00  | 0.00 | 0.00 | 9,800.00  | 6,471.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 9,900.00  | 0.00 | 0.00 | 9,900.00  | 6,571.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |
| 10,000.00 | 0.00 | 0.00 | 10,000.00 | 6,671.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 585,795.39 | 617,143.47 |





Pathfinder  
Pathfinder X&Y Report

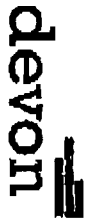


A Schlumberger Company

Devon Energy, Inc.  
Energy Company  
Bartle St Field  
OH  
Design #1

Well #1H  
ICG-207 @ 1125.4000 (1125.200)  
ICG-207 @ 1125.4000 (1125.200)  
GHD  
Leakdown Curvature  
EDW 5000.1 Single User Dis.

|           |       |        |          |          |          |       |          |      |            |            |
|-----------|-------|--------|----------|----------|----------|-------|----------|------|------------|------------|
| 8,700.00  | 90.20 | 359.94 | 7.978.20 | 4,651.20 | 2,080.00 | -2.62 | 1,560.00 | 0.00 | 597,258.28 | 617,141.45 |
| 8,800.00  | 90.20 | 359.94 | 7.978.20 | 4,651.20 | 2,080.00 | -2.12 | 2,080.00 | 0.00 | 597,258.28 | 617,141.35 |
| 8,900.00  | 90.20 | 359.94 | 7.978.20 | 4,650.90 | 2,100.00 | -2.23 | 2,100.00 | 0.00 | 597,258.28 | 617,141.24 |
| 9,000.00  | 90.20 | 359.94 | 7.978.15 | 4,650.85 | 2,200.00 | -2.33 | 2,200.00 | 0.00 | 598,066.28 | 617,141.14 |
| 9,100.00  | 90.20 | 359.94 | 7.978.01 | 4,650.21 | 2,300.00 | -2.43 | 2,300.00 | 0.00 | 599,156.28 | 617,141.04 |
| 9,200.00  | 90.20 | 359.94 | 7.978.46 | 4,649.68 | 2,400.00 | -2.54 | 2,400.00 | 0.00 | 599,258.28 | 617,140.93 |
| 9,300.00  | 90.20 | 359.94 | 7.978.11 | 4,649.51 | 2,500.00 | -2.64 | 2,500.00 | 0.00 | 599,358.28 | 617,140.83 |
| 9,400.00  | 90.20 | 359.94 | 7.977.77 | 4,648.17 | 2,600.00 | -2.74 | 2,600.00 | 0.00 | 599,458.28 | 617,140.73 |
| 9,500.00  | 90.20 | 359.94 | 7.977.42 | 4,648.82 | 2,700.00 | -2.85 | 2,700.00 | 0.00 | 599,558.28 | 617,140.62 |
| 9,600.00  | 90.20 | 359.94 | 7.977.07 | 4,648.47 | 2,800.00 | -2.95 | 2,800.00 | 0.00 | 599,658.28 | 617,140.52 |
| 9,700.00  | 90.20 | 359.94 | 7.976.73 | 4,648.13 | 2,900.00 | -3.05 | 2,900.00 | 0.00 | 599,758.28 | 617,140.42 |
| 9,800.00  | 90.20 | 359.94 | 7.976.38 | 4,647.78 | 3,000.00 | -3.16 | 3,000.00 | 0.00 | 599,858.28 | 617,140.31 |
| 9,900.00  | 90.20 | 359.94 | 7.976.03 | 4,647.43 | 3,100.00 | -3.26 | 3,100.00 | 0.00 | 599,958.28 | 617,140.21 |
| 10,000.00 | 90.20 | 359.94 | 7.975.69 | 4,647.08 | 3,200.00 | -3.36 | 3,200.00 | 0.00 | 599,058.28 | 617,140.11 |
| 10,100.00 | 90.20 | 359.94 | 7.975.34 | 4,646.74 | 3,300.00 | -3.46 | 3,300.00 | 0.00 | 599,158.28 | 617,140.01 |
| 10,200.00 | 90.20 | 359.94 | 7.974.99 | 4,646.39 | 3,400.00 | -3.57 | 3,400.00 | 0.00 | 599,258.28 | 617,139.90 |
| 10,300.00 | 90.20 | 359.94 | 7.974.64 | 4,646.04 | 3,500.00 | -3.67 | 3,500.00 | 0.00 | 599,358.28 | 617,139.80 |
| 10,400.00 | 90.20 | 359.94 | 7.974.29 | 4,645.70 | 3,600.00 | -3.77 | 3,600.00 | 0.00 | 599,458.28 | 617,139.70 |
| 10,500.00 | 90.20 | 359.94 | 7.973.95 | 4,645.35 | 3,700.00 | -3.88 | 3,700.00 | 0.00 | 599,558.28 | 617,139.59 |
| 10,600.00 | 90.20 | 359.94 | 7.973.60 | 4,645.00 | 3,800.00 | -3.98 | 3,800.00 | 0.00 | 599,658.28 | 617,139.49 |
| 10,700.00 | 90.20 | 359.94 | 7.973.25 | 4,644.65 | 3,900.00 | -4.08 | 3,900.00 | 0.00 | 599,758.28 | 617,139.39 |
| 10,800.00 | 90.20 | 359.94 | 7.972.91 | 4,644.31 | 4,000.00 | -4.18 | 4,000.00 | 0.00 | 599,858.28 | 617,139.28 |
| 10,900.00 | 90.20 | 359.94 | 7.972.56 | 4,643.96 | 4,100.00 | -4.29 | 4,100.00 | 0.00 | 599,958.28 | 617,139.18 |
| 11,000.00 | 90.20 | 359.94 | 7.972.22 | 4,643.62 | 4,200.00 | -4.39 | 4,200.00 | 0.00 | 599,058.28 | 617,139.08 |
| 11,100.00 | 90.20 | 359.94 | 7.971.87 | 4,643.27 | 4,300.00 | -4.49 | 4,300.00 | 0.00 | 599,158.28 | 617,138.98 |
| 11,200.00 | 90.20 | 359.94 | 7.971.52 | 4,642.92 | 4,400.00 | -4.59 | 4,400.00 | 0.00 | 599,258.28 | 617,138.87 |
| 11,300.00 | 90.20 | 359.94 | 7.971.17 | 4,642.57 | 4,500.00 | -4.70 | 4,500.00 | 0.00 | 599,358.28 | 617,138.77 |



**Pathfinder**  
Pathfinder X&Y Report



A Schlumberger Company

Devon Energy, Inc.  
Edley County  
Barry S3 Pad  
6114  
OH  
Design #1

Well #114  
IS-01 @ 1228.60m (HAP 300)  
IS-25 @ 1228.60m (HAP 300)  
Ond  
Lithium Correlation  
EDM 8000.1 Single User Db

|           |       |        |          |          |          |       |          |      |            |            |
|-----------|-------|--------|----------|----------|----------|-------|----------|------|------------|------------|
| 12.400.00 | 90.20 | 389.94 | 7.970.63 | 4.642.23 | 4.860.86 | -4.80 | 4.860.86 | 0.00 | 590.556.27 | 617.138.67 |
| 12.600.00 | 90.20 | 389.94 | 7.970.48 | 4.641.88 | 4.780.88 | -4.91 | 4.780.88 | 0.00 | 590.556.27 | 617.138.56 |
| 12.800.00 | 90.20 | 389.94 | 7.970.13 | 4.641.53 | 4.860.86 | -5.01 | 4.860.86 | 0.00 | 590.556.27 | 617.138.46 |
| 12.638.48 | 90.20 | 389.94 | 7.970.00 | 4.641.40 | 4.898.36 | -5.05 | 4.898.36 | 0.00 | 590.594.75 | 617.138.42 |

BTL (Barry 1)

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

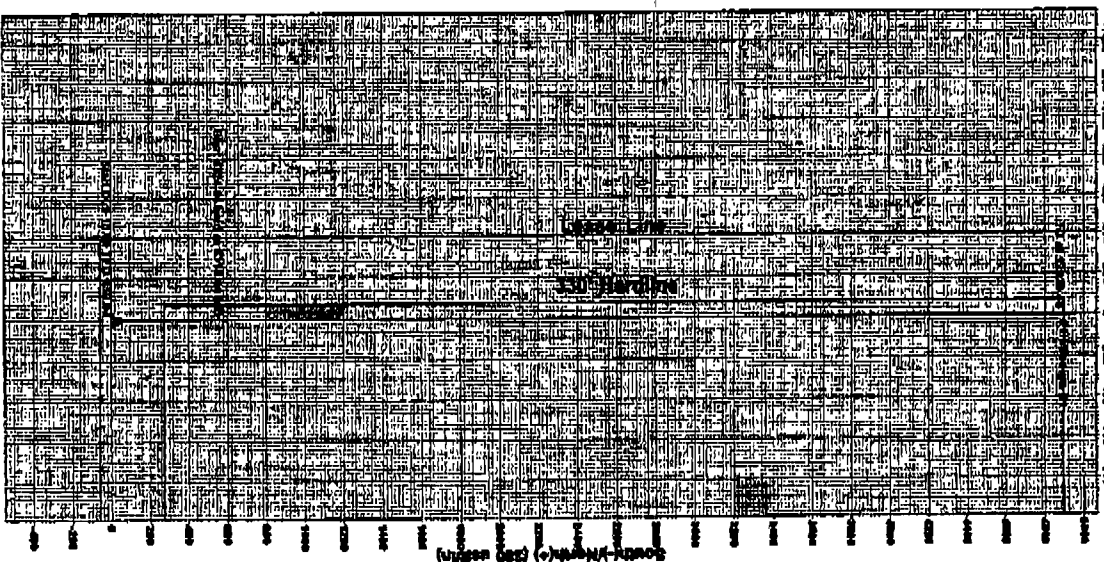


**A Schlumberger Company**  
**Worl-Head® (200 aarlin)**

West of Scotland, 1850

[illegible]

**Admiralty to Grid North**  
 True North:  $-0.13^\circ$   
 Magnetic North:  $7.70^\circ$   
**Magnetic Field**  
 Strength:  $48819.3 \mu\text{T}$   
 Dip Angle:  $68.44^\circ$   
 Date: 7/22/2011  
 Model: K3R2000570



**THE HOUSE OF COMMONS**



Ken Gray  
Senior Advisor, Land

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8280  
Office: (405) 552-4633  
Fax: (405) 552-8113

CERTIFIED MAIL # 7010 1060 0000 0917 4509  
RETURN RECEIPT REQUESTED

December 22, 2011

Mewbourne Oil Company  
500 West Texas, Suite 1020  
Midland, Texas 79701

Re: Beryl 33 Federal #1H  
Section 33-T19S-R29E  
Eddy County, New Mexico

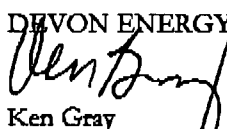
Gentlemen:

Attached you will find Devon Energy Production Company, L.P.'s ("Devon") administrative application for approval of an unorthodox well location covering the referenced 2<sup>nd</sup> Bone Spring horizontal test well. Devon's records indicate that your company may be an affected person in an offset spacing unit and are entitled to notice of this application in accordance with Division Rule 104 (f). Objections to this application should be submitted in writing to the NMOC within twenty (20) days from NMOC receipt of this application. If you have no objection to this application, please so indicate by signing and returning one copy of this letter to the undersigned.

If there are any questions or if additional information is required, feel to call me at (405) 552-4633.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

  
Ken Gray  
Senior Advisor, Land

Mewbourne Oil Company has no objection to this administrative application for unorthodox location.

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



Ken Gray  
Senior Advisor, Land

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8280  
Office: (405) 552-4633  
Fax: (405) 552-8113

CERTIFIED MAIL # 7010 1060 0000 0917 4516  
RETURN RECEIPT REQUESTED

December 22, 2011

Cimarex Energy Co.  
600 N. Marienfeld, Suite 600  
Midland, Texas 79707

Re: Beryl 33 Federal #1H  
Section 33-T19S-R29E  
Eddy County, New Mexico

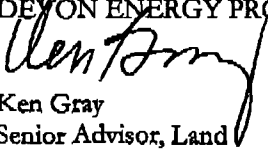
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Attached you will find Devon Energy Production Company, L.P.'s ("Devon") administrative application for approval of an unorthodox well location covering the referenced 2<sup>nd</sup> Bone Spring horizontal test well. Devon's records indicate that your company may be an affected person in an offset spacing unit and are entitled to notice of this application in accordance with Division Rule 104 (f). Objections to this application should be submitted in writing to the NMOCDC within twenty (20) days from NMOCDC receipt of this application. If you have no objection to this application, please so indicate by signing and returning one copy of this letter to the undersigned.

If there are any questions or if additional information is required, feel to call me at (405) 552-4633.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

  
Ken Gray  
Senior Advisor, Land

Cimarex Energy Co. has no objection to this administrative application for unorthodox location.

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**Brooks, David K., EMNRD**

---

**From:** Gray, Ken [Ken.Gray@dvn.com]  
**Sent:** Tuesday, January 03, 2012 7:00 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: Beryl 33 Federal #1H

David, the NMOCD records reflect that Mewbourne Oil Company is the division designated operator of the Colt 5 Federal #3H, a horizontal Bone Spring well, API #3001538064, with a SHL 330' FSL & 990' FEL , BHL 330' FNL & 400' FEL (NE/4 NE/4), so I would think that our notice requirements have been met for the NE/4 NE/4 of Section 5 as we have given Mewbourne notice per our application. If you see it otherwise, please let me know.

---

**From:** Brooks, David K., EMNRD [<mailto:david.brooks@state.nm.us>]  
**Sent:** Thursday, December 29, 2011 3:11 PM  
**To:** Gray, Ken  
**Subject:** Beryl 33 Federal #1H

Dear Ken

On this application, notice will also be required to the affected persons in the NE/4 NE/4 of Section 5 of 20S-29E. This is because the surface location and penetration point at 50 FSL and 400 FWL is closer to the common corner of Sections 33 and 5 (403 ft) than would be a well at the standard location closed to that corner (i.e. 330 FSL and 330 FWL), which would be 467 ft from the common corner.

Sincerely

David K. Brooks

---

**Confidentiality Warning:** This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Wednesday, January 04, 2012 5:43 PM  
**To:** 'Gray, Ken'  
**Subject:** RE: Beryl 33 Federal #1H

Dear Ken

It will not be necessary to send me an amended C-102. I will simply attach a copy of your email to your application file. You should file an amended C-102 with the District Office so that there will be a correct form in the well file.

David

---

**From:** Gray, Ken [<mailto:Ken.Gray@dvn.com>]  
**Sent:** Wednesday, January 04, 2012 3:25 PM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: Beryl 33 Federal #1H

David, it has been brought to my attention that there is a typo at the bottom of the C-102 that reflects a penetration point 330' FNL & 400' FWL which is actually the BHL, do you need me to send a revised C-102 reflecting the corrected penetration point?

---

**From:** Brooks, David K., EMNRD [<mailto:david.brooks@state.nm.us>]  
**Sent:** Thursday, December 29, 2011 3:11 PM  
**To:** Gray, Ken  
**Subject:** Beryl 33 Federal #1H

Dear Ken

On this application, notice will also be required to the affected persons in the NE/4 NE/4 of Section 5 of 20S-29E. This is because the surface location and penetration point at 50 FSL and 400 FWL is closer to the common corner of Sections 33 and 5 (403 ft) than would be a well at the standard location closed to that corner (i.e. 330 FSL and 330 FWL), which would be 467 ft from the common corner.

Sincerely

David K. Brooks

---

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