

**Bedrock Aquifer Evaluation Determination Tool****Denver Basin Aquifer - Specific Location Determination Tool**

**Applicant:** PDC - 123-20282 Hick  
31-29

**Receipt No:**

**Evaluated By:**

**Location:** NW 1/4 of NE 1/4 of Sec. 29, T.4N, R.67W. ( 659 NSL, 1848 ESL)

**Basin Designation:** Location is within the UNKNOWN Designated Ground Water Basin.

**Ground Surface Elevation:** 4942 Feet **Number of Acres:** 160

Warning! The depth intervals estimated in this area may vary from actual conditions due to lack of data and/or structural complexity.

| Aquifer           | Elevation (ft) |     | Net Sand | DEPTH (ft) |     | ANNUAL APRPROP. (A-F) | STATUS |
|-------------------|----------------|-----|----------|------------|-----|-----------------------|--------|
|                   | Bot            | Top |          | Bot        | Top |                       |        |
| Upper Dawson      | --             | --  | --       | --         | --  | --                    | --     |
| Lower Dawson      | --             | --  | --       | --         | --  | --                    | --     |
| Denver            | --             | --  | --       | --         | --  | --                    | --     |
| Upper Arapahoe    | --             | --  | --       | --         | --  | --                    | --     |
| Lower Arapahoe    | --             | --  | --       | --         | --  | --                    | --     |
| Laramie-Fox Hills | --             | --  | --       | --         | --  | --                    | --     |

NOTE: 'E' indicates a location is at an aquifer boundary and the values may be more approximate.

#### Plug and Abandon Surface Casing Check

|   |                      |     |    |       |       |           |
|---|----------------------|-----|----|-------|-------|-----------|
| Operator  | PDC                  |     |    |       |       |           |
| API or Doc #  | 123-20282 Hick 31-29 |     |    | OG GR | WW GR | Elev Diff |
| SB5 Base of Fox Hills                                 | NA                   |     |    |       |       |           |
| Deepest Water Well Within One Mile / number of wells  |                      | /   | 11 |       |       |           |
| Deepest Water Well Within Two Miles / number of wells | 590                  | /   | 49 | 4942  | 4970  | -28       |
| Sussex / Shannon Production within one mile           | NA                   | /   | N  |       |       |           |
| Operator Existing Surface Casing Depth                | 398                  |     |    |       |       |           |
| Production Casing to be pulled                        | 0                    |     |    |       |       |           |
| Required aquifer protection depth in this well        | 590                  | -28 | 50 | 612   |       |           |

## Water Wells Selected From Map

Filter Results by Depth

590

49 wells

2 mi

| WELL DESCRIPTION   | LOCATION                 | WELL INFORMATION |          |             |                      |
|--|--------------------------|------------------|----------|-------------|----------------------|
|  |                          | Depth            | Top Perf | Bottom Perf | Aquifer              |
| Receipt=0366375, Permit=177928---<br>PAHACH CHASITY & ROGER UNREIN | NWNW 16<br>4.0 N -67.0 W | 200              | 37       | 200         | ALL UNNAMED AQUIFERS |
| Receipt=0052951, Permit=52951-MH--<br>SOUTHERN FOODS GROUP LLC     | SENE 18<br>4.0 N -67.0 W | 18               | 13       | 18          | ALL UNNAMED AQUIFERS |
| Receipt=0328450, Permit=161665---<br>STREMME, NORMA J              | SENE 18<br>4.0 N -67.0 W | 40               | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=9061314, Permit=12802-R--<br>MILLAGE DONALD D & GRACE A    | SWSE 18<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008176, Permit=2008176-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008177, Permit=2008177-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008178, Permit=2008178-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008179, Permit=2008179-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008180, Permit=2008180-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008181, Permit=2008181-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008182, Permit=2008182-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008183, Permit=2008183-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008184, Permit=2008184-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008185, Permit=2008185-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008186, Permit=2008186-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008187, Permit=2008187-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008188, Permit=2008188-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008169, Permit=2008169-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008170, Permit=2008170-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008171, Permit=2008171-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008172, Permit=2008172-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=2008173, Permit=2008173-AB--<br>LT, ENVIRONMENTAL          | NWSW 19<br>4.0 N -67.0 W | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |
| Receipt=0045932, Permit=45932-MH--<br>RYLAND HOMES                 | SWSE 20<br>4.0 N -67.0 W | 18               | 8        | 18          | ALL UNNAMED AQUIFERS |
| Receipt=0431819, Permit=--   | NENW 21                  | 0                | 0        | 0           | ALL UNNAMED AQUIFERS |

|                                      |               |     |     |                          |
|--------------------------------------|---------------|-----|-----|--------------------------|
| YELEK, TED                           | 4.0 N -67.0 W |     |     |                          |
| Receipt=9065966, Permit=93108---     | NWNW 22       | 30  | 0   | 0 ALL UNNAMED AQUIFERS   |
| DERAA, MATTHEW L.                    | 4.0 N -67.0 W |     |     |                          |
| Receipt=9065966, Permit=93108---     | NWNW 22       | 30  | 0   | 0 ALL UNNAMED AQUIFERS   |
| VAN DERA, KATIE                      | 4.0 N -67.0 W |     |     |                          |
| Receipt=0475144F, Permit=233273---   | SWSE 22       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| HALL-IRWIN, CONSTRUCTION             | 4.0 N -67.0 W |     |     |                          |
| Receipt=0038028, Permit=38028-MH--   | SWSE 22       | 12  | 7   | 12 ALL UNNAMED AQUIFERS  |
| HALL-IRWIN, CONST                    | 4.0 N -67.0 W |     |     |                          |
| Receipt=0053997B, Permit=91-GX--     | NWNE 29       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| SULLIVAN, JIM                        | 4.0 N -67.0 W |     |     |                          |
| Receipt=3663941J, Permit=91-GX--     | NWSW 29       | 300 | 0   | 0 ALL UNNAMED AQUIFERS   |
| OLSON, ROGER                         | 4.0 N -67.0 W |     |     |                          |
| Receipt=3649096A, Permit=285102---   | SWNE 30       | 30  | 15  | 30 ALL UNNAMED AQUIFERS  |
| HIGHLINE ACADEMY                     | 4.0 N -67.0 W |     |     |                          |
| Receipt=3649096B, Permit=285103---   | SWNE 30       | 26  | 14  | 24 ALL UNNAMED AQUIFERS  |
| HIGHLINE ACADEMY                     | 4.0 N -67.0 W |     |     |                          |
| Receipt=3649096C, Permit=285104---   | SWNE 30       | 30  | 15  | 30 ALL UNNAMED AQUIFERS  |
| HIGHLINE ACADEMY                     | 4.0 N -67.0 W |     |     |                          |
| Receipt=0051351E, Permit=91-GX--     | SWSW 30       | 300 | 0   | 0 ALL UNNAMED AQUIFERS   |
| ANDERSON, ELLEN                      | 4.0 N -67.0 W |     |     |                          |
| Receipt=0051947Y, Permit=91-GX--     | SWNE 31       | 300 | 0   | 0 ALL UNNAMED AQUIFERS   |
| FRANK BROS                           | 4.0 N -67.0 W |     |     |                          |
| Receipt=0537506, Permit=207250--A--  | SENE 32       | 550 | 130 | 550 QUATERNARY ALLUVIUM  |
| GRENNYER MICHAEL DEAN                | 4.0 N -67.0 W |     |     |                          |
| Receipt=0423872, Permit=207250---    | SENE 32       | 60  | 0   | 0 QUATERNARY ALLUVIUM    |
| BARNETT STEVEN & SALLIE              | 4.0 N -67.0 W |     |     |                          |
| Receipt=3609237, Permit=271611---    | NENW 32       | 460 | 100 | 160 QUATERNARY ALLUVIUM  |
| HEPP DONALD & WYNONA M               | 4.0 N -67.0 W |     |     |                          |
| Receipt=0056178, Permit=56178-MH--   | NWSW 32       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| WALSH, SHANNON                       | 4.0 N -67.0 W |     |     |                          |
| Receipt=0403224, Permit=197908---    | NWNW 33       | 0   | 0   | 0 LARAMIE FOX HILLS      |
| KOESTER, RICHARD                     | 4.0 N -67.0 W |     |     |                          |
| Receipt=3680858, Permit=306746---    | NWNW 33       | 590 | 0   | 0 LARAMIE FOX HILLS      |
| GANE, CALVIN                         | 4.0 N -67.0 W |     |     |                          |
| Receipt=3680858, Permit=306746---    | NWNW 33       | 590 | 0   | 0 LARAMIE FOX HILLS      |
| GANE, AMY                            | 4.0 N -67.0 W |     |     |                          |
| Receipt=3647712, Permit=284499---    | NWNW 34       | 0   | 0   | 0 PIERRE SHALE           |
| WARE MICHAEL S & CHARLENE R          | 4.0 N -67.0 W |     |     |                          |
| Receipt=0547980, Permit=268061---    | NWNW 34       | 575 | 450 | 550 LARAMIE FOX HILLS    |
| GOSCHA, RORY                         | 4.0 N -67.0 W |     |     |                          |
| Receipt=0031310, Permit=31310-MH--   | SWNW 34       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| YELEK, TED                           | 4.0 N -67.0 W |     |     |                          |
| Receipt=0420680, Permit=206169---    | SWNW 34       | 520 | 360 | 520 ALL UNNAMED AQUIFERS |
| TROSTEL, TOM                         | 4.0 N -67.0 W |     |     |                          |
| Receipt=2008174, Permit=2008174-AB-- | NESE 24       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| LT, ENVIRONMENTAL                    | 4.0 N -68.0 W |     |     |                          |
| Receipt=2008175, Permit=2008175-AB-- | NESE 24       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| LT, ENVIRONMENTAL                    | 4.0 N -68.0 W |     |     |                          |
| Receipt=0030618, Permit=30618-MH--   | NENE 36       | 0   | 0   | 0 ALL UNNAMED AQUIFERS   |
| GADDIS, FAMILY                       | 4.0 N -68.0 W |     |     |                          |

# Oil and Gas Wells Selected

## Filter Results by Formation

| WELL DESCRIPTION   | LOCATION ID | LOCATION                                      | WELL INFORMATION | Formation | Top  | Bottom | TD   | Status |
|--|-------------|---|------------------|-----------|------|--------|------|--------|
| 05-123-11401, CHANDLER 1<br>BAYSWATER EXPLORATION & PRODUCTION LLC | 319523      | SESE 19 4N -67W (6)<br>40.293355, -104.925458 | Sidetrack        | 0 CODL    | 7318 |        | 7443 | AB     |
| 05-123-12250, BINDER 20-1<br>UNIOIL                                | 407966      | SWSW 20 4N -67W (6)<br>40.293135, -104.920685 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-12333, BROWN 20-2<br>PDC ENERGY INC                         | 322959      | SWNW 20 4N -67W (6)<br>40.300440, -104.919860 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-12416, BROWN 30-1<br>SHEPLER & THOMAS INC                   | 408028      | NWNE 20 4N -67W (6)<br>40.303735, -104.912795 | Sidetrack        | 0 NB-CD   |      |        | 7375 | AB     |
| 05-123-12479, EVANS-STROH 20-1<br>PDC ENERGY INC                   | 323045      | SWSE 20 4N -67W (6)<br>40.294580, -104.911030 | Sidetrack        | 0 CODL    | 7284 |        | 7375 | CM     |
| 05-123-20495, WILLOW 1<br>SOUTHWESTERN PRODUCTION CORP             | 409575      | SENW 20 4N -67W (6)<br>40.300735, -104.916465 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-20538, STROH 20-4<br>SOUTHWESTERN PRODUCTION CORP           | 409579      | NESE 20 4N -67W (6)<br>40.296545, -104.907685 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-20539, WALTER 1<br>SOUTHWESTERN PRODUCTION CORP             | 409580      | NWSE 20 4N -67W (6)<br>40.296625, -104.912095 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-20540, FRED 1<br>SOUTHWESTERN PRODUCTION CORP               | 409581      | SWSE 20 4N -67W (6)<br>40.293405, -104.912025 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-20542, STROH 20-5<br>SOUTHWESTERN PRODUCTION CORP           | 409582      | SESE 20 4N -67W (6)<br>40.292925, -104.907605 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-25208, BROWN 22-20<br>PDC ENERGY INC                        | 309675      | SENW 20 4N -67W (6)<br>40.300190, -104.916720 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-26937, BROWN 20A<br>PDC ENERGY INC                          | 310757      | SENW 20 4N -67W (6)<br>40.302190, -104.918360 | Sidetrack        | 0 NB-CD   | 6963 | 7260   | 7434 | PR     |
| 05-123-28129, RYLAND 33-20D<br>PDC ENERGY INC                      | 332783      | NWSE 20 4N -67W (6)<br>40.294310, -104.911830 | Sidetrack        | 0 NBRR    | 6963 | 7056   | 7434 | CM     |
| 05-123-28130, RYLAND 43-20D<br>PDC ENERGY INC                      | 332783      | SWSE 20 4N -67W (6)<br>40.294220, -104.911830 | Sidetrack        | 0 CODL    | 7980 | 7990   | 7434 | CM     |
| 05-123-28131, RYLAND 44-20D<br>PDC ENERGY INC                      | 332783      | SWSE 20 4N -67W (6)<br>40.294170, -104.911830 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
| 05-123-28132, RYLAND 34-20D<br>PDC ENERGY INC                      | 332783      | SWSE 20 4N -67W (6)<br>40.294080, -104.911830 | Sidetrack        | 0 NB-CD   | 7144 | 7464   | 7636 | AB     |
| 05-123-31553, Brown 20MD<br>PDC ENERGY INC                         | 416999      | SENW 20 4N -67W (6)<br>40.301890, -104.915310 | Sidetrack        | 0 NBRR    | 7144 | 7236   | 7636 | CM     |
| 05-123-31554, Brown 20ND<br>PDC ENERGY INC                         | 416999      | SENW 20 4N -67W (6)<br>40.301920, -104.915250 | Sidetrack        | 0 CODL    | 7452 | 7464   | 7636 | CM     |
| 05-123-31559, Ryland 31-20D<br>PDC ENERGY INC                      | 416999      | SENW 20 4N -67W (6)<br>40.301940, -104.915170 | Sidetrack        | Formation | Top  | Bottom | TD   | Status |
|  |             |   |                  | 0 NB-CD   | 7273 | 7506   | 7671 | PR     |
|  |             |   |                  | 0 NBRR    | 7273 | 7376   | 7671 | CM     |
|  |             |   |                  | 0 CODL    | 7498 | 7506   | 7671 | CM     |
|  |             |   |                  | Formation | Top  | Bottom | TD   | Status |
|  |             |   |                  | 0 NB-CD   | 6962 | 7285   | 7453 | PR     |
|  |             |   |                  | 0 NBRR    | 6962 | 7061   | 7453 | CM     |
|  |             |   |                  | 0 CODL    | 7277 | 7285   | 7453 | CM     |
|  |             |   |                  | Formation | Top  | Bottom | TD   | Status |
|  |             |   |                  | 0 NB-CD   | 7084 | 7419   | 7580 | SI     |
|  |             |   |                  | 0 NBRR    | 7084 | 7185   | 7580 | CM     |
|  |             |   |                  | 0 CODL    | 7411 | 7419   | 7580 | CM     |

|  |  |           |           |      |        |      |        |
|--|--|-----------|-----------|------|--------|------|--------|
| 05-123-31562, Brown 20AD<br>PDC ENERGY INC                         | 416999 SENW 20 4N -67W (6)<br>40.301780, -104.915560 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7059 | 7374   | 7545 | PR     |
|  |  |           | 0 NBRR    | 7059 | 7148   | 7545 | CM     |
|  |  |           | 0 CODL    | 7366 | 7374   | 7545 | CM     |
| 05-123-31566, Ryland 32-20D<br>PDC ENERGY INC                      | 416999 SENW 20 4N -67W (6)<br>40.301860, -104.915420 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7139 | 7441   | 7607 | PR     |
| 05-123-31567, Brown 20OD<br>PDC ENERGY INC                         | 416999 SENW 20 4N -67W (6)<br>40.301780, -104.915530 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7124 | 7449   | 7639 | PR     |
|  |  |           | 0 NBRR    | 7124 | 7220   | 7639 | CM     |
|  |  |           | 0 CODL    | 7441 | 7449   | 7639 | CM     |
| 05-123-32764, BINDER 14-20<br>GREAT WESTERN OPERATING COMPANY LLC  | 420955 NESW 20 4N -67W (6)<br>40.298090, -104.914970 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7491 | 7807   | 7981 | PR     |
|  |  |           | 0 NBRR    | 7491 | 7660   | 7981 | CM     |
|  |  |           | 0 CODL    | 7790 | 7807   | 7981 | CM     |
| 05-123-32765, BINDER 0-6-20<br>GREAT WESTERN OPERATING COMPANY LLC | 420955 NESW 20 4N -67W (6)<br>40.298148, -104.914984 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7563 | 7884   | 8045 | PR     |
|  |  |           | 0 NBRR    | 7563 | 7735   | 8045 | CM     |
|  |  |           | 0 CODL    | 7864 | 7884   | 8045 | CM     |
| 05-123-32767, BINDER 23-20<br>GREAT WESTERN OPERATING COMPANY LLC  | 420955 NESW 20 4N -67W (6)<br>40.298100, -104.915020 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7017 | 7338   | 7504 | PR     |
|  |  |           | 0 NBRR    | 7017 | 7190   | 7504 | CM     |
|  |  |           | 0 CODL    | 7318 | 7338   | 7504 | CM     |
| 05-123-32770, BINDER CSW-20<br>GREAT WESTERN OPERATING COMPANY LLC | 420955 NESW 20 4N -67W (6)<br>40.298090, -104.915080 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7237 | 7475   | 7653 | PR     |
|  |  |           | 0 NBRR    | 7237 | 7327   | 7653 | CM     |
|  |  |           | 0 CODL    | 7455 | 7475   | 7653 | CM     |
| 05-123-32772, BINDER 24-20<br>GREAT WESTERN OPERATING COMPANY LLC  | 420955 NESW 20 4N -67W (6)<br>40.298090, -104.914910 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7061 | 7589   | 7755 | PR     |
|  |  |           | 0 NBRR    | 7061 | 7230   | 7755 | CM     |
|  |  |           | 0 CODL    | 7573 | 7589   | 7755 | CM     |
| 05-123-32968, BINDER 2-4-20<br>GREAT WESTERN OPERATING COMPANY LLC | 420955 NESW 20 4N -67W (6)<br>40.298117, -104.914931 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7061 | 7370   | 7535 | PR     |
|  |  |           | 0 NBRR    | 7061 | 7230   | 7535 | CM     |
|  |  |           | 0 CODL    | 7350 | 7370   | 7535 | CM     |
| 05-123-32969, BINDER 4-6-20<br>GREAT WESTERN OPERATING COMPANY LLC | 420955 NESW 20 4N -67W (6)<br>40.298100, -104.914860 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7083 | 7412   | 7593 | PR     |
|  |  |           | 0 NBRR    | 7083 | 7264   | 7593 | CM     |
|  |  |           | 0 CODL    | 7395 | 7412   | 7593 | CM     |
| 05-123-32970, BINDER 13-20<br>GREAT WESTERN OPERATING COMPANY LLC  | 420955 NESW 20 4N -67W (6)<br>40.298144, -104.915041 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7230 | 7542   | 7700 | PR     |
|  |  |           | 0 NBRR    | 7230 | 7425   | 7700 | CM     |
|  |  |           | 0 CODL    | 7522 | 7542   | 7700 | CM     |
| 05-123-10514, MCCARTY 2<br>KP KAUFFMAN COMPANY INC                 | 332700 SWSE 21 4N -67W (6)<br>40.292970, -104.893360 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 CODL    | 7352 |        | 7400 | PR     |
| 05-123-11273, BUNYAN 1<br>KP KAUFFMAN COMPANY INC                  | 319437 NESW 21 4N -67W (6)<br>40.295940, -104.899470 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7000 | 7322   | 7910 | PR     |
|  |  |           | 0 NBRR    | 7000 | 7089   | 7910 | CM     |
|  |  |           | 0 CODL    | 7304 | 7322   | 7910 | CM     |
| 05-123-25013, WEDCO 14-21U<br>UNIOIL                               | 409997 SWSW 21 4N -67W (6)<br>40.293000, -104.903060 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-25014, WEDCO 13-21DU<br>UNIOIL                              | 332788 NWSW 21 4N -67W (6)<br>40.295580, -104.902690 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-25015, WALTERS 24-21U<br>UNIOIL                             | 306616 SESW 21 4N -67W (6)<br>40.292510, -104.898330 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-25123, CENTENNIAL 12-21U<br>UNIOIL                          | 306693 SWNW 21 4N -67W (6)<br>40.300200, -104.903160 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-25124, CENTENNIAL 22-21U<br>UNIOIL                          | 306694 SENW 21 4N -67W (6)<br>40.300130, -104.898370 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-25844, WALTERS 23-21U<br>UNIOIL                             | 310071 NESW 21 4N -67W (6)<br>40.297030, -104.897690 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | AL     |
| 05-123-26718, MCCARTY 20-21  | 332826 NWSE 21 4N -67W (6)                           | Sidetrack | Formation | Top  | Bottom | TD   | Status |

|                                    |                            |           |           |      |        |      |        |
|------------------------------------|----------------------------|-----------|-----------|------|--------|------|--------|
| KP KAUFFMAN COMPANY INC            | 40.294630, -104.891100     |           |           |      |        |      | AL     |
| 05-123-26719, McCarty 10-21-24     | 332815 NWSE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.296140, -104.892860     |           |           |      |        |      | AL     |
| 05-123-26720, McCarty 10-21-23     | 332815 NWSE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.295950, -104.893100     |           |           |      |        |      | AL     |
| 05-123-26721, McCarty 15-21-37     | 332700 SWSE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.292870, -104.893240     |           |           |      |        |      | AL     |
| 05-123-26728, MCCARTY 20-21-16     | 332826 C-SE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.294490, -104.891090     |           |           |      |        |      | AL     |
| 05-123-26729, MCCARTY 10-21        | 332815 NWSE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.296000, -104.892990     |           | 0 CODL    | 7278 | 7298   | 7920 | PR     |
| 05-123-26730, MCCARTY 20-21-9      | 332826 C-SE 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC            | 40.294760, -104.891100     |           |           |      |        |      | AL     |
| 05-123-29498, WEDCO 21G-DU UNIOIL  | 332788 NWSW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|                                    | 40.295530, -104.902690     |           |           |      |        |      | AL     |
| 05-123-29503, WEDCO 21H-DU UNIOIL  | 332788 NWSW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|                                    | 40.295470, -104.902700     |           |           |      |        |      | AL     |
| 05-123-29577, WEDCO 14-21DU UNIOIL | 332788 NWSW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|                                    | 40.295420, -104.902700     |           |           |      |        |      | AL     |
| 05-123-31871, EEE 21ADU            | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302810, -104.904770     |           | 0 NB-CD   | 7162 | 7462   | 7645 | PR     |
|                                    |                            |           | 0 NBRR    | 7162 | 7254   | 7645 | CM     |
|                                    |                            |           | 0 CODL    | 7454 | 7462   | 7645 | CM     |
| 05-123-31872, Ryland 20SD          | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302400, -104.904640     |           | 0 NB-CD   | 7436 | 7734   | 7893 | PR     |
|                                    |                            |           | 0 NBRR    | 7436 | 7518   | 7893 | CM     |
|                                    |                            |           | 0 CODL    | 7726 | 7734   | 7893 | CM     |
| 05-123-31874, Ryland 20VD          | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302780, -104.904720     |           | 0 NB-CD   | 7012 | 7341   | 7518 | PR     |
|                                    |                            |           | 0 NBRR    | 7012 | 7110   | 7518 | CM     |
|                                    |                            |           | 0 CODL    | 7333 | 7341   | 7518 | CM     |
| 05-123-31875, EEE 11-21DU          | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.303170, -104.904420     |           | 0 NB-CD   | 1343 | 7017   | 7495 | PR     |
|                                    |                            |           | 0 NBRR    | 7017 | 7112   | 7495 | CM     |
|                                    |                            |           | 0 CODL    | 7335 | 7343   | 7495 | CM     |
| 05-123-31876, EEE 21-21DU          | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302940, -104.904720     |           | 0 NB-CD   | 7162 | 7462   | 7766 | PR     |
|                                    |                            |           | 0 NBRR    | 7162 | 7254   | 7766 | CM     |
|                                    |                            |           | 0 CODL    | 7454 | 7462   | 7766 | CM     |
| 05-123-31877, Ryland 20UD          | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.303170, -104.904500     |           | 0 NB-CD   | 7174 | 7418   | 7577 | SI     |
| 05-123-31887, Ryland 42-20D        | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302720, -104.904750     |           | 0 NB-CD   | 7126 | 7460   | 7642 | PR     |
|                                    |                            |           | 0 NBRR    | 7126 | 7227   | 7642 | CM     |
|                                    |                            |           | 0 CODL    | 7450 |        | 7642 | CM     |
| 05-123-31888, Centennial 12-21DU   | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302470, -104.904440     |           | 0 NB-CD   | 7122 | 7410   | 7579 | PR     |
|                                    |                            |           | 0 NBRR    | 7122 | 7228   | 7579 | CM     |
|                                    |                            |           | 0 CODL    | 7402 | 7410   | 7579 | CM     |
| 05-123-31890, EEE 21NDU            | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302500, -104.904220     |           | 0 NB-CD   | 7432 | 7752   | 7907 | PR     |
|                                    |                            |           | 0 NBRR    | 7432 | 7520   | 7907 | CM     |
|                                    |                            |           | 0 CODL    | 7744 | 7752   | 7907 | CM     |
| 05-123-31891, Centennial 21KDU     | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302420, -104.904390     |           | 0 NB-CD   | 7280 | 7602   | 7766 | PR     |
|                                    |                            |           | 0 NBRR    | 7280 | 7376   | 7766 | CM     |
|                                    |                            |           | 0 CODL    | 7594 | 7602   | 7766 | CM     |
| 05-123-31892, Centennial 22-21DU   | 418247 NWNW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                     | 40.302470, -104.904310     |           | 0 NB-CD   | 7306 | 7629   | 7794 | PR     |
|                                    |                            |           | 0 NBRR    | 7306 | 7404   | 7794 | CM     |
|                                    |                            |           | 0 CODL    | 7621 | 7629   | 7794 | CM     |

|  |  |           |           |      |        |      |        |
|--|--|-----------|-----------|------|--------|------|--------|
| 05-123-31893, Centennial 21GDU<br>PDC ENERGY INC               | 418247 NWNW 21 4N -67W (6)<br>40.302470, -104.904530 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7260 | 7515   | 7672 | PR     |
|  |  |           | 0 NBRR    | 7260 | 7364   | 7672 | CM     |
|  |  |           | 0 CODL    | 7507 | 7515   | 7672 | CM     |
| 05-123-31902, Ryland 41-20D<br>PDC ENERGY INC                  | 418247 NWNW 21 4N -67W (6)<br>40.303170, -104.904640 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7095 | 7416   | 7580 | SI     |
| 05-123-31906, Ryland 20RD<br>PDC ENERGY INC                    | 418247 NWNW 21 4N -67W (6)<br>40.303170, -104.904560 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7275 | 7610   | 7744 | SI     |
|  |  |           | 0 NBRR    | 7275 | 7374   | 7744 | CM     |
|  |  |           | 0 CODL    | 7602 | 7610   | 7744 | CM     |
| 05-123-31911, Ryland 20CD<br>PDC ENERGY INC                    | 418247 NWNW 21 4N -67W (6)<br>40.302860, -104.904720 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7206 | 7540   | 7638 | PR     |
|  |  |           | 0 NBRR    | 7206 | 7306   | 7638 | CM     |
|  |  |           | 0 CODL    | 7532 | 7540   | 7638 | CM     |
| 05-123-31963, Walters 21ODU<br>KP KAUFFMAN COMPANY INC         | 319437 NESW 21 4N -67W (6)<br>40.295470, -104.899530 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7190 | 7508   | 7677 | PR     |
|  |  |           | 0 NBRR    | 7190 | 7284   | 7677 | CM     |
|  |  |           | 0 CODL    | 7500 | 7508   | 7677 | CM     |
| 05-123-31966, Walters 23-21DU<br>KP KAUFFMAN COMPANY INC       | 319437 NESW 21 4N -67W (6)<br>40.295387, -104.899557 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7071 | 7389   | 7549 | PR     |
|  |  |           | 0 NBRR    | 7071 | 7165   | 7549 | CM     |
|  |  |           | 0 CODL    | 7381 | 7389   | 7549 | CM     |
| 05-123-31967, Ryland 20XD<br>KP KAUFFMAN COMPANY INC           | 319437 NESW 21 4N -67W (6)<br>40.295330, -104.899580 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7271 | 7590   | 7750 | PR     |
|  |  |           | 0 NBRR    | 7271 | 7365   | 7750 | CM     |
|  |  |           | 0 CODL    | 7582 | 7590   | 7750 | CM     |
| 05-123-31968, Wedco 13-21DU<br>KP KAUFFMAN COMPANY INC         | 319437 NESW 21 4N -67W (6)<br>40.295420, -104.899530 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7149 | 7470   | 7620 | PR     |
|  |  |           | 0 NBRR    | 7149 | 7243   | 7620 | CM     |
|  |  |           | 0 CODL    | 7462 | 7470   | 7620 | CM     |
| 05-123-31996, Wedco 14-21DU<br>KP KAUFFMAN COMPANY INC         | 319437 NESW 21 4N -67W (6)<br>40.295280, -104.899610 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7190 | 7491   | 7646 | PR     |
|  |  |           | 0 NBRR    | 7190 | 7266   | 7646 | CM     |
|  |  |           | 0 CODL    | 7483 | 7491   | 7646 | CM     |
| 05-123-31998, Walters 21LDU<br>KP KAUFFMAN COMPANY INC         | 319437 NESW 21 4N -67W (6)<br>40.295080, -104.899690 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7190 | 7509   | 7677 | PR     |
|  |  |           | 0 NBRR    | 7190 | 7284   | 7677 | CM     |
|  |  |           | 0 CODL    | 7498 | 7509   | 7677 | CM     |
| 05-123-31999, Ryland 20YD<br>KP KAUFFMAN COMPANY INC           | 319437 NESW 21 4N -67W (6)<br>40.295170, -104.899670 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7410 | 7727   | 7893 | PR     |
|  |  |           | 0 NBRR    | 7410 | 7502   | 7893 | CM     |
|  |  |           | 0 CODL    | 7719 | 7727   | 7893 | CM     |
| 05-123-32000, Walters 21QDU<br>KP KAUFFMAN COMPANY INC         | 319437 NESW 21 4N -67W (6)<br>40.295190, -104.899690 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7298 | 7613   | 7772 | PR     |
|  |  |           | 0 NBRR    | 7298 | 7390   | 7772 | CM     |
|  |  |           | 0 CODL    | 7605 | 7613   | 7772 | CM     |
| 05-123-32001, Walters 24-21DU<br>KP KAUFFMAN COMPANY INC       | 319437 NESW 21 4N -67W (6)<br>40.295110, -104.899690 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           | 0 NB-CD   | 7092 | 7408   | 7582 | PR     |
|  |  |           | 0 NBRR    | 7092 | 7183   | 7582 | CM     |
|  |  |           | 0 CODL    | 7400 | 7408   | 7582 | CM     |
| 05-123-43760, SHARON 21-5HZ<br>KERR MCGEE OIL & GAS ONSHORE LP | 448107 NESW 21 4N -67W (6)<br>40.297416, -104.897600 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | DG     |
| 05-123-43761, SHARON 21-3HZ<br>KERR MCGEE OIL & GAS ONSHORE LP | 448107 NESW 21 4N -67W (6)<br>40.297499, -104.897600 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | DG     |
| 05-123-43762, SHARON 21-7HZ<br>KERR MCGEE OIL & GAS ONSHORE LP | 448107 NESW 21 4N -67W (6)<br>40.297334, -104.897601 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | DG     |
| 05-123-43763, SHARON 21-6HZ<br>KERR MCGEE OIL & GAS ONSHORE LP | 448107 NESW 21 4N -67W (6)<br>40.297375, -104.897601 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | DG     |
| 05-123-43764, SHARON 21-8HZ<br>KERR MCGEE OIL & GAS ONSHORE LP | 448107 NESW 21 4N -67W (6)<br>40.297293, -104.897602 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|  |  |           |           |      |        |      | DG     |
| 05-123-43765, SHARON 21-4HZ                                    | 448107 NESW 21 4N -67W (6)                           | Sidetrack | Formation | Top  | Bottom | TD   | Status |

|                                  |                            |           |           |      |        |      |        |
|----------------------------------|----------------------------|-----------|-----------|------|--------|------|--------|
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.297457, -104.897600     |           |           |      |        |      | DG     |
| 05-123-43766, SHARON 21-2HZ      | 448107 NESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.297540, -104.897599     |           |           |      |        |      | DG     |
| 05-123-43767, SHARON 21-1HZ      | 448107 NESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.297581, -104.897599     |           |           |      |        |      | DG     |
| 05-123-43820, WALTERS 21-4HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.294019, -104.897551     |           |           |      |        |      | DG     |
| 05-123-43821, WALTERS 21-7HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.293896, -104.897552     |           |           |      |        |      | DG     |
| 05-123-43822, WALTERS 21-8HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.293855, -104.897553     |           |           |      |        |      | DG     |
| 05-123-43823, WALTERS 21-3HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.294061, -104.897551     |           |           |      |        |      | DG     |
| 05-123-43824, WALTERS 21-1HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.294143, -104.897550     |           |           |      |        |      | DG     |
| 05-123-43825, WALTERS 21-2HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.294102, -104.897550     |           |           |      |        |      | DG     |
| 05-123-43826, WALTERS 21-6HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.293937, -104.897552     |           |           |      |        |      | DG     |
| 05-123-43827, WALTERS 21-5HZ     | 448255 SESW 21 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP  | 40.293978, -104.897551     |           |           |      |        |      | DG     |
| 05-123-10510, SPAUR 1            | 407328 NESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.282045, -104.898105     |           | 0 CODL    | 7352 |        | 7442 | AB     |
| 05-123-12931, MCCARTY 28-1       | 323377 SWNW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.285640, -104.902920     |           | 0 NB-CD   | 7046 | 7363   | 7455 | SI     |
|                                  |                            |           | 0 NBRR    | 7046 | 7239   | 7455 | CM     |
| 05-123-12946, MCCARTY 28-3       | 323387 NENW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.289310, -104.898250     |           | 0 NB-CD   |      |        | 7465 | AB     |
| 05-123-12947, MCCARTY 28-4       | 323388 SENW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.285640, -104.898140     |           | 0 NB-CD   |      |        | 7475 | AB     |
| 05-123-13307, MCCARTY 28-5       | 323640 NWNW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.288830, -104.903390     |           | 0 NB-CD   |      |        | 7435 | AB     |
| 05-123-13308, MCCARTY 28-6       | 323641 NWNE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.289690, -104.892610     |           | 0 NB-CD   |      |        | 7385 | AB     |
| 05-123-13309, MCCARTY 28-7       | 323642 SWNE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.286250, -104.892580     |           | 0 NB-CD   |      |        | 7420 | AB     |
| 05-123-13754, MCCARTY 28-8       | 326841 NENE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                   | 40.289640, -104.889310     |           | 0 NB-CD   |      |        | 7361 | AB     |
| 05-123-24237, STROH 28-10        | 332710 NWSE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.282030, -104.893220     |           | 0 CODL    | 7291 | 7311   | 7899 | PR     |
| 05-123-24646, SUNMARKE 15-28     | 306438 SESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279200, -104.900210     |           | 0 NB-CD   | 7112 | 7360   | 7959 | PR     |
|                                  |                            |           | 0 NBRR    | 7112 | 7122   | 7959 | CM     |
|                                  |                            |           | 0 CODL    | 7340 | 7360   | 7959 | CM     |
| 05-123-26309, STROH 10-28-23     | 332710 NWSE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.281940, -104.893360     |           |           |      |        |      | AL     |
| 05-123-33208, Stroh 23-28        | 422210 SWSE 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279890, -104.895030     |           |           |      |        |      | AL     |
| 05-123-35079, Sunmarke 19-28-12  | 306438 SESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279260, -104.900160     |           | 0 NB-CD   | 7462 | 7477   | 7642 | PR     |
| 05-123-35080, Sunmarke 19-28-11  | 306438 SESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279210, -104.900110     |           | 0 NB-CD   | 7439 | 7454   | 8085 | PR     |
| 05-123-35081, Sunmarke 19-28-14  | 306438 SESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279130, -104.900030     |           | 0 NB-CD   | 7122 | 7427   | 7579 | PR     |
|                                  |                            |           | 0 NBRR    | 7122 | 7284   | 7579 | CM     |
|                                  |                            |           | 0 CODL    | 7407 | 7427   | 7579 | CM     |
| 05-123-35082, Sunmarke 19-28-13  | 306438 SESW 28 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KP KAUFFMAN COMPANY INC          | 40.279170, -104.900070     |           | 0 NB-CD   | 7109 | 7407   | 7547 | PR     |
| 05-123-07225, UPRR PAN AM B 1 41 | 405892 SWSW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PAN AMERICAN PETROLEUM CORP      | 40.278699, -104.920690     |           | 0 UNK     |      |        | 7973 | AB     |
| 05-123-19860, KIRBY 29-11        | 330912 NWNW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |



|                                   |                            |           |           |      |        |      |        |
|-----------------------------------|----------------------------|-----------|-----------|------|--------|------|--------|
| PDC ENERGY INC                    | 40.289250, -104.921390     |           | 0 NB-CD   | 7018 | 7328   | 7492 | SI     |
|                                   |                            |           | 0 NBRR    | 7018 | 7104   | 7492 | CM     |
|                                   |                            |           | 0 CODL    | 7310 | 7328   | 7492 | CM     |
| 05-123-20140, OLSON 29-12         | 331093 SWNW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.285500, -104.920890     |           | 0 CODL    | 7307 | 7313   | 7600 | SI     |
| 05-123-20197, OLSON 29-22         | 331124 SENW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.285396, -104.915854     |           | 0 CODL    | 7315 | 7325   | 7530 | SI     |
| 05-123-20198, OLSON 29-21         | 331125 NENW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.288720, -104.915810     |           | 0 CODL    | 7304 | 7314   | 7524 | AB     |
| 05-123-20266, REICHERT 33-29      | 409542 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.282455, -104.912215     |           |           |      |        |      | AL     |
| 05-123-20270, REICHERT 43-29      | 409543 NESE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.282215, -104.907455     |           |           |      |        |      | AL     |
| 05-123-20275, OLSON 14-29         | 331183 SWSW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.278250, -104.920860     |           | 0 CODL    | 7348 | 7358   | 7552 | SI     |
| 05-123-20276, OLSON 23-29         | 331184 NESW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.282310, -104.916360     |           | 0 CODL    | 7339 | 7349   | 7547 | PR     |
| 05-123-20277, HICKS 32-29         | 331185 SWNE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.285330, -104.911920     |           | 0 CODL    | 7344 | 7354   | 7529 | AB     |
| 05-123-20278, HICKS 42-29         | 331186 SENE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.285280, -104.907470     |           | 0 CODL    | 7364 | 7374   | 7638 | AB     |
| 05-123-20279, OLSON 13-29         | 331187 NWSW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.282381, -104.920841     |           | 0 CODL    | 7321 | 7331   | 7539 | PR     |
| 05-123-20281, OLSON 24-29         | 331189 SESW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.278170, -104.916360     |           | 0 CODL    | 7448 | 7458   | 7550 | PR     |
| 05-123-20282, HICKS 31-29         | 331190 NWNE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.289470, -104.912000     |           | 0 NB-CD   | 6988 | 7314   | 7500 | SI     |
|                                   |                            |           | 0 NBRR    | 6988 | 7088   | 7500 | CM     |
|                                   |                            |           | 0 CODL    | 7304 | 7314   | 7500 | CM     |
| 05-123-20283, HICKS 41-29         | 331191 NENE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.289420, -104.907580     |           | 0 CODL    | 7314 |        | 7510 | SI     |
| 05-123-24414, OLSON USX O 29-25   | 306314 NWSW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP   | 40.280568, -104.918625     |           | 0 CODL    | 7336 | 7355   | 7503 | AB     |
| 05-123-24420, HICKS - USX O 29-17 | 306317 SWNE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP   | 40.287611, -104.910040     |           | 0 CODL    | 7312 | 7330   | 7495 | AB     |
| 05-123-24478, OLSON-USX O 29-19   | 306340 NENW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| KERR MCGEE OIL & GAS ONSHORE LP   | 40.287900, -104.918608     |           | 0 CODL    | 7295 | 7313   | 7442 | AB     |
| 05-123-31079, Reichert 29PDU      | 415105 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.283500, -104.913500     |           | 0 NB-CD   | 7156 | 7467   | 7636 | PR     |
|                                   |                            |           | 0 NBRR    | 7156 | 7246   | 7636 | CM     |
|                                   |                            |           | 0 CODL    | 7459 | 7467   | 7636 | CM     |
| 05-123-31082, Reichert 43-29DU    | 415105 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.283610, -104.913530     |           | 0 NB-CD   | 7308 | 7613   | 7780 | PR     |
|                                   |                            |           | 0 NBRR    | 7308 | 7468   | 7780 | CM     |
|                                   |                            |           | 0 CODL    | 7605 | 7613   | 7780 | CM     |
| 05-123-31083, Reichert 33-29DU    | 415105 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.283580, -104.913500     |           | 0 NB-CD   | 7104 | 7386   | 7552 | PR     |
|                                   |                            |           | 0 NBRR    | 7104 | 7238   | 7552 | CM     |
|                                   |                            |           | 0 CODL    | 7378 | 7386   | 7552 | CM     |
| 05-123-31084, REICHERT 29DDU      | 415105 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.283500, -104.913470     |           | 0 NB-CD   | 7260 | 7570   | 7731 | PR     |
|                                   |                            |           | 0 NBRR    | 7260 | 7422   | 7731 | CM     |
|                                   |                            |           | 0 CODL    | 7562 | 7570   | 7731 | CM     |
| 05-123-31091, Reichert 29SDU      | 415105 NWSE 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| PDC ENERGY INC                    | 40.283640, -104.913610     |           | 0 NB-CD   | 7178 | 7487   | 7655 | PR     |
|                                   |                            |           | 0 NBRR    | 7178 | 7386   | 7655 | CM     |
|                                   |                            |           | 0 CODL    | 7479 | 7487   | 7655 | CM     |
| 05-123-35942, OLSON USX O 29-20D  | 429859 NWNW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| NOBLE ENERGY INC                  | 40.289380, -104.920320     |           |           |      |        |      | AL     |
| 05-123-35943, NANDA USX O 29-18D  | 429859 NWNW 29 4N -67W (6) | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| NOBLE ENERGY INC                  | 40.289360, -104.920160     |           |           |      |        |      | AL     |

|   |  |           |           |      |        |      |        |
|---|--|-----------|-----------|------|--------|------|--------|
| 05-123-35944, NANDA USX O 29-21D<br>NOBLE ENERGY INC        | 429859 NWNW 29 4N -67W (6)<br>40.289370, -104.920240 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
| 05-123-12427, BROWN 30-2<br>PDC ENERGY INC                  | 323011 NENE 30 4N -67W (6)<br>40.289440, -104.925390 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 7001 | 7320   | 7400 | AB     |
|   |  |           | 0 NBRR    | 7001 | 7185   | 7400 | CM     |
| 05-123-12915, BROWN-MCCARTY 30-5<br>PDC ENERGY INC          | 323366 SENE 30 4N -67W (6)<br>40.286220, -104.925420 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 6996 | 7311   | 7390 | AB     |
|   |  |           | 0 NBRR    | 6996 | 7159   | 7390 | CM     |
| 05-123-21839, BROWN 30-31<br>PDC ENERGY INC                 | 332104 NWNE 30 4N -67W (6)<br>40.290140, -104.929750 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 7008 | 7326   | 7471 | AB     |
|   |  |           | 0 NBRR    | 7008 | 7102   | 7471 | CM     |
|   |  |           | 0 CODL    | 7312 | 7326   | 7471 | CM     |
| 05-123-21840, BROWN-MCCARTY 30-43<br>PDC ENERGY INC         | 332105 NESE 30 4N -67W (6)<br>40.282500, -104.925420 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 7015 | 7332   | 7470 | PR     |
|   |  |           | 0 NBRR    | 7015 | 7108   | 7470 | CM     |
|   |  |           | 0 CODL    | 7316 | 7332   | 7470 | CM     |
| 05-123-26850, OLSON 30D<br>PDC ENERGY INC                   | 310714 NESE 30 4N -67W (6)<br>40.281140, -104.927220 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           |           |      |        |      | AL     |
| 05-123-26928, OLSON 30C<br>PDC ENERGY INC                   | 310750 SENE 30 4N -67W (6)<br>40.287830, -104.927500 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           |           |      |        |      | AL     |
| 05-123-27130, OLSON 30S<br>PDC ENERGY INC                   | 310858 SENE 30 4N -67W (6)<br>40.284400, -104.927420 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           |           |      |        |      | AL     |
| 05-123-24571, Camenisch 2-32<br>KP KAUFFMAN COMPANY INC     | 332713 NENE 32 4N -67W (6)<br>40.275440, -104.907330 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 7073 | 7354   | 7946 | PR     |
|   |  |           | 0 NBRR    | 7073 | 7225   | 7946 | CM     |
|   |  |           | 0 CODL    | 7334 | 7354   | 7946 | CM     |
| 05-123-24591, CAMENISCH 8-32<br>KP KAUFFMAN COMPANY INC     | 306401 NWNE 32 4N -67W (6)<br>40.275690, -104.912670 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           | 0 NB-CD   | 7040 | 7354   | 7960 | PR     |
|   |  |           | 0 NBRR    | 7040 | 7212   | 7960 | CM     |
|   |  |           | 0 CODL    | 7334 | 7354   | 7960 | CM     |
| 05-123-26389, Camenisch 1-32-41R<br>KP KAUFFMAN COMPANY INC | 332713 NENE 32 4N -67W (6)<br>40.275350, -104.907200 | Sidetrack | Formation | Top  | Bottom | TD   | Status |
|   |  |           |           |      |        |      | AL     |