

Report Date: 4/19/2019

Bedrock Aquifer Evaluation Determination Tool

Denver Basin Aquifer - Specific Location Determination Tool

Applicant: PDC - Wells Ranch 41-2 (API 123-23175)

Receipt No:

Evaluated By:

Location: NE 1/4 of NE 1/4 of Sec. 2, T.5N, R.63W. (850 NSL, 850 ESL)

Basin Designation:

Ground Surface Elevation: 4710 Feet **Number of Acres:** 160

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							

Plug and Abandon Surface Casing Check

Operator	PDC					
API or Doc #	Wells Ranch 41-2 (API 123-23175)			OG GR	WW GR	Elev Diff
SB5 Base of Fox Hills	Missing	L-FH				
Deepest Water Well Within One Mile / number of wells		/				
Deepest Water Well Within Two Miles / number of wells	400	/	16	4710	4810	-100
Sussex / Shannon Production within one mile	N	/	N			
Operator Existing Surface Casing Depth	401					
Production Casing to be pulled	0					
Required aquifer protection depth in this well	400	-100	50	350		

Water Wells Selected From Map
Filter Results by Depth

400 ft
16 wells

WELL DESCRIPTION	LOCATION	WELL INFORMATION		
		Depth	Top Perf	Bottom Perf Aquifer
Receipt=0918785, Permit=-- GREELEY CITY OF	SENE 10 5.0 N -63.0 W		0	0 0 ALL UNNAMED AQUIFERS
Receipt=0918786, Permit=-- GREELEY CITY OF	NESW 11 5.0 N -63.0 W		0	0 0 ALL UNNAMED AQUIFERS
Receipt=9059082, Permit=3738--- HOLMAN, J	NWSW 11 5.0 N -63.0 W		0	0 0 ALL UNNAMED AQUIFERS
Receipt=0918784, Permit=-- GREELEY CITY OF	SENE 3 5.0 N -63.0 W		0	0 0 ALL UNNAMED AQUIFERS
Receipt=0432987C, Permit=212215--- WELLS RANCH	SWSW 30 6.0 N -62.0 W	150	0	0 ALL UNNAMED AQUIFERS
Receipt=0432987D, Permit=212215--A-- WELLS RANCH	SWSW 30 6.0 N -62.0 W	0	0	0 ALL UNNAMED AQUIFERS
Receipt=3659083M, Permit=77148-F-- WELLS RANCH	SWNE 25 6.0 N -63.0 W	305	105	305 LARAMIE FOX HILLS
Receipt=3655493K, Permit=77044-F-- WELLS RANCH	SENE 25 6.0 N -63.0 W	310	110	310 LARAMIE FOX HILLS
Receipt=3659083L, Permit=77142-F-- WELLS RANCH	SWNW 25 6.0 N -63.0 W	345	145	345 LARAMIE FOX HILLS
Receipt=0432987A, Permit=212214--- WELLS RANCH	SESE 25 6.0 N -63.0 W	150	0	0 ALL UNNAMED AQUIFERS
Receipt=0432987B, Permit=212214--A-- WELLS RANCH	SESE 25 6.0 N -63.0 W	190	110	190 ALL UNNAMED AQUIFERS
Receipt=3656395C, Permit=289338--- WELLS, STEVE	SENE 26 6.0 N -63.0 W	0	0	0 LARAMIE FOX HILLS
Receipt=3653736B, Permit=287428--- WELLS, STEVE	NWNW 34 6.0 N -63.0 W	400	200	400 LARAMIE FOX HILLS
Receipt=3645470A, Permit=283169--- WELLS RANCH (WELLS, STEVEN T.)	NWSE 34 6.0 N -63.0 W	0	0	0 ALL UNNAMED AQUIFERS
Receipt=3645470B, Permit=283169--A-- WELLS RANCH (WELLS, STEVEN T.)	NWSE 34 6.0 N -63.0 W	290	160	29 ALL UNNAMED AQUIFERS
Receipt=C620521, Permit=521-WCB-- FAIRMEADOWS, LAND(DAVIS)	NESW 36 6.0 N -63.0 W	54	0	0 ALL UNNAMED AQUIFERS

Oil and Gas Wells Selected

Filter Results by Formation

WELL DESCRIPTION	LOCATION ID	LOCATION	WELL INFORMATION	Formation	Top	Bottom	TD	Status
05-123-21352, WELLS RANCH 14-1 PDC ENERGY INC	331823	SWSW 1 5N -63W (6) 40.422940, -104.392190	Sidetrack	0 NB-CD 0 NBRR 0 CODL 0 JSND	6432 6432 6612 7070	6618 6450 6618 7080	7300 7300 7300 7300	AB CM CM AB
05-123-22242, WELLS RANCH 23-1 PDC ENERGY INC	332397	NESW 1 5N -63W (6) 40.426560, -104.387500	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6493 6493 6609	Bottom 6617 6600 6617	TD 6814 6814 6814	Status AB CM CM
05-123-22245, WELLS RANCH 24-1 PDC ENERGY INC	332400	SESW 1 5N -63W (6) 40.422890, -104.387580	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6346 6346 6609	Bottom 6617 6449 6617	TD 6812 6812 6812	Status AB CM CM
05-123-22786, WELLS RANCH 13-1 PDC ENERGY INC	409839	NWSW 1 5N -63W (6) 40.426456, -104.392350	Sidetrack	Formation	Top	Bottom	TD	Status AL
05-123-22787, WELLS RANCH 33-1 PDC ENERGY INC	409840	NWSE 1 5N -63W (6) 40.426446, -104.382800	Sidetrack	Formation	Top	Bottom	TD	Status AL
05-123-25108, WELLS RANCH - USX BB 1-17 NOBLE ENERGY INC	306680	SENE 1 5N -63W (6) 40.431694, -104.379745	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6450 6450 6621	Bottom 6630 6464 6630	TD 6805 6805 6805	Status CM AB AB
05-123-25109, WELLS RANCH - USA BB 1-19 NOBLE ENERGY INC	306681	NENW 1 5N -63W (6) 40.432113, -104.389346	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6392 6392 6656	Bottom 6666 6500 6666	TD 6836 6836 6836	Status AB CM CM
05-123-26028, WELLS RANCH-USX BB 1-5 NOBLE ENERGY INC	310170	SWNW 1 5N -63W (6) 40.430493, -104.392443	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6386 6386 6650	Bottom 6660 6490 6660	TD 7259 7259 7259	Status AB CM CM
05-123-26098, WELLS RANCH USX BB 1-6 NOBLE ENERGY INC	310223	SENW 1 5N -63W (6) 40.429992, -104.387559	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6638 6374 6638	Bottom 6649 6484 6649	TD 7245 7245 7245	Status AB CM CM
05-123-26101, WELLS RANCH - USX BB 1-7 NOBLE ENERGY INC	310226	SWNE 1 5N -63W (6) 40.430561, -104.382805	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6363 6363 6626	Bottom 6636 6468 6636	TD 7232 7232 7232	Status AB CM CM
05-123-26131, WELLS RANCH USX BB 1-10 NOBLE ENERGY INC	310248	NWSE 1 5N -63W (6) 40.426748, -104.382804	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6370 6370 6606	Bottom 6615 6450 6615	TD 6770 6770 6770	Status AB CM CM
05-123-26132, WELLS RANCH USX BB 1-12 NOBLE ENERGY INC	310249	NWSW 1 5N -63W (6) 40.426750, -104.392303	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6358 6358 6612	Bottom 6622 6454 6622	TD 6770 6770 6770	Status AB CM CM
05-123-26768, WELLS RANCH USX BB 01-02 NOBLE ENERGY INC	310661	NWNE 1 5N -63W (6) 40.433863, -104.382860	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6394 6394 6658	Bottom 6668 6501 6668	TD 6829 6829 6829	Status AB CM CM
05-123-26773, WELLS RANCH USX BB 01-04 NOBLE ENERGY INC	310664	NWNW 1 5N -63W (6) 40.433582, -104.391853	Sidetrack	Formation 0 NB-CD 0 NBRR 0 CODL	Top 6441 6441 6654	Bottom 6664 6457 6664	TD 6828 6828 6828	Status AB CM CM
05-123-30473, WELLS RANCH USX BB 01-03 NOBLE ENERGY INC	413538	NENW 1 5N -63W (6) 40.433842, -104.387759	Sidetrack	Formation 0 NB-CD	Top 6422	Bottom 6664	TD 6848	Status AB

05-123-21128, WELLS RANCH 14-2 PDC ENERGY INC	331688 SWSW 2 5N -63W (6) 40.423000, -104.411170	Sidetrack	0 NBRR 6422 6560 6848 CM 0 CODL 6656 6664 6848 CM Formation Top Bottom TD Status 0 NB-CD 6476 6652 7348 AB 0 JSND 7081 7090 7348 AB
05-123-21131, WELLS RANCH 32-2 PDC ENERGY INC	331690 SWNE 2 5N -63W (6) 40.430330, -104.401780	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6396 6658 7313 PR 0 NBRR 6396 6498 7313 CM 0 CODL 6649 6658 7313 CM 0 JSND 7104 7122 7313 TA
05-123-22788, WELLS RANCH 12-2 PDC ENERGY INC	305311 SWNW 2 5N -63W (6) 40.430250, -104.411220	Sidetrack	Formation Top Bottom TD Status 0 CODL 6639 6647 6814 SI
05-123-22789, WELLS RANCH 23-2 PDC ENERGY INC	305312 NESW 2 5N -63W (6) 40.426560, -104.406500	Sidetrack	Formation Top Bottom TD Status 0 CODL 6631 6639 6818 PR
05-123-23170, WELLS RANCH 24-2 PDC ENERGY INC	305567 SESW 2 5N -63W (6) 40.423470, -104.407140	Sidetrack	Formation Top Bottom TD Status 0 CODL 6631 6639 6800 TA
05-123-23171, WELLS RANCH 44-2 PDC ENERGY INC	305568 SESE 2 5N -63W (6) 40.423440, -104.397690	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6365 6635 6857 AB 0 NBRR 6365 6468 6857 CM 0 CODL 6626 6635 6857 CM
05-123-23172, WELLS RANCH 43-2 PDC ENERGY INC	305569 NESE 2 5N -63W (6) 40.426000, -104.397690	Sidetrack	Formation Top Bottom TD Status 0 CODL 6625 6633 6800 SI
05-123-23173, WELLS RANCH 13-2 PDC ENERGY INC	305570 NWSW 2 5N -63W (6) 40.426720, -104.411310	Sidetrack	Formation Top Bottom TD Status 0 CODL 6640 6648 6853 PR
05-123-23175, WELLS RANCH 41-2 PDC ENERGY INC	305571 NENE 2 5N -63W (6) 40.433250, -104.397810	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6398 6641 6830 PR 0 NBRR 6488 6938 6830 CM 0 CODL 6633 6641 6830 CM
05-123-23176, WELLS RANCH 42-2 PDC ENERGY INC	305572 SENE 2 5N -63W (6) 40.430690, -104.397750	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6386 6643 6830 PR 0 NBRR 6386 6478 6830 CM 0 CODL 6635 6643 6830 CM
05-123-23177, WELLS RANCH 22-2 PDC ENERGY INC	305573 SENW 2 5N -63W (6) 40.430750, -104.405810	Sidetrack	Formation Top Bottom TD Status 0 CODL 6647 6653 6854 SI
05-123-23178, WELLS RANCH 11-2 PDC ENERGY INC	305574 NWNW 2 5N -63W (6) 40.433310, -104.410580	Sidetrack	Formation Top Bottom TD Status 0 CODL 6665 6673 6889 SI
05-123-23179, WELLS RANCH 21-2 PDC ENERGY INC	305575 NENW 2 5N -63W (6) 40.433310, -104.405890	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6394 6664 6853 SI 0 NBRR 6394 6498 6853 CM 0 CODL 6656 6664 6853 CM
05-123-23180, WELLS RANCH 34-2 PDC ENERGY INC	305576 SWSE 2 5N -63W (6) 40.423420, -104.401030	Sidetrack	Formation Top Bottom TD Status 0 CODL 6628 6634 6813 AB
05-123-23181, WELLS RANCH 33-2 PDC ENERGY INC	305577 NWSE 2 5N -63W (6) 40.426030, -104.401080	Sidetrack	Formation Top Bottom TD Status 0 CODL 6637 6645 6820 PR
05-123-23182, WELLS RANCH 31-2 PDC ENERGY INC	305578 NWNW 2 5N -63W (6) 40.433280, -104.401060	Sidetrack	Formation Top Bottom TD Status 0 CODL 6653 6660 6862 PR
05-123-35092, Wells Ranch 2V-414 PDC ENERGY INC	427717 Lot 1 2 5N -63W (6) 40.432090, -104.395510	Sidetrack	Formation Top Bottom TD Status AL
05-123-35414, Wells Ranch 2W-414 PDC ENERGY INC	428578 SENE 2 5N -63W (6) 40.428550, -104.395470	Sidetrack	Formation Top Bottom TD Status AL
05-123-35415, Wells Ranch 2W-334 PDC ENERGY INC	428578 NESE 2 5N -63W (6) 40.428300, -104.395470	Sidetrack	Formation Top Bottom TD Status AL
05-123-35416, Wells Ranch 2W-204 PDC ENERGY INC	428578 SENE 2 5N -63W (6) 40.428460, -104.395470	Sidetrack	Formation Top Bottom TD Status AL
05-123-35417, Wells Ranch 2W-404 PDC ENERGY INC	428578 SENE 2 5N -63W (6) 40.428380, -104.395470	Sidetrack	Formation Top Bottom TD Status AL
05-123-35422, Wells Ranch 2U-434 PDC ENERGY INC	427717 Lot 1 2 5N -63W (6) 40.432250, -104.395510	Sidetrack	Formation Top Bottom TD Status AL
05-123-35459, Wells Ranch 2U-334	427717 Lot 1 2 5N -63W (6)	Sidetrack	Formation Top Bottom TD Status

PDC ENERGY INC	40.432170, -104.395510							AL
05-123-35497, Wells Ranch 2X-334	428742 SESE 2 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.422900, -104.395410							AL
05-123-35498, Wells Ranch 2Y-414	428742 SESE 2 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.422820, -104.395410							AL
05-123-35623, Wells Ranch 2Y-204	428742 SESE 2 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.422740, -104.395410							AL
05-123-21030, WELLS 41-3	332387 NENE 3 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
UNITED STATES EXPLORATION INC	40.433896, -104.416041							AL
05-123-22228, WELLS RANCH 41-3	332387 NENE 3 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.433830, -104.416030		0 NB-CD	6406	6670	6875	SI	
			0 NBRR	6406	6503	6875	CM	
			0 CODL	6662	6670	6875	CM	
05-123-26755, WELLS RANCH USX BB 11-02	310653 NWNE 11 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.419256, -104.402055		0 NB-CD	6354	6626	6776	AB	
			0 NBRR	6354	6458	6776	CM	
			0 CODL	6616	6626	6776	CM	
05-123-30476, WELLS RANCH USX BB 11-01	413711 NENE 11 5N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.419376, -104.397220		0 NB-CD	6362	6629	6829	AB	
			0 NBRR	6362	6462	6829	CM	
			0 CODL	6620	6629	6829	CM	
05-123-21007, WELLS RANCH 44-34	331630 SESE 34 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.437420, -104.415690		0 NB-CD	6455	6719	6908	PR	
			0 NBRR	6455	6552	6908	CM	
			0 CODL	6711	6719	6908	CM	
05-123-33169, Wells Ranch 43-34H	422176 NESE 34 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.439310, -104.413830		0 NBRR	7159	10969	10969	PR	
05-123-21139, WELLS RANCH 14-35	331694 SWSW 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
PDC ENERGY INC	40.437360, -104.411250		0 CODL	6714	6722	7392	AB	
05-123-25051, WELL RANCH-USX AA 35-23	306642 NESE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.439530, -104.399010		0 NB-CD	6450	6720	6910	SI	
			0 NBRR	6450	6554	6910	CM	
			0 CODL	6710	6720	6910	CM	
05-123-25052, WELLS RANCH-USX AA 35-12	306643 NWSW 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.441620, -104.410950		0 NB-CD	6490	6764	6904	SI	
			0 NBRR	6490	6598	6904	CM	
			0 CODL	6754	6764	6904	CM	
05-123-25079, WELLS RANCH - USX AA 35-17	306659 NENE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.446630, -104.399310		0 NB-CD	6474	6756	6903	AB	
			0 NBRR	6474	6588	6903	CM	
			0 CODL	6746	6756	6903	CM	
05-123-25881, WELLS RANCH USX AA35-06	310089 SENW 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.444784, -104.406408		0 NB-CD	6474	6748	6896	SI	
			0 NBRR	6474	6579	6896	CM	
			0 CODL	6738	6748	6896	CM	
05-123-25883, WELLS RANCH USX AA35-08	310091 SENE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.444617, -104.396879		0 NB-CD	6472	6744	6898	AB	
			0 NBRR	6472	6570	6898	CM	
			0 CODL	6734	6744	6898	CM	
05-123-25884, WELLS RANCH USX AA35-16	310092 SESE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.437410, -104.396641		0 NB-CD	6408	6679	6805	SI	
			0 NBRR	6408	6512	6805	CM	
			0 CODL	6669	6679	6805	CM	
05-123-25951, WELLS RANCH- USX AA 35-10	310131 NWSE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.441163, -104.401703		0 NB-CD	6440	6707	6870	SI	
			0 NBRR	6440	6540	6870	CM	
			0 CODL	6697	6707	6870	CM	
05-123-25966, WELLS RANCH - USX AA 35-7	310141 SWNE 35 6N -63W (6)	Sidetrack	Formation	Top	Bottom	TD	Status	
NOBLE ENERGY INC	40.444771, -104.401694		0 NB-CD	6474	6744	6900	AB	

05-123-26146, WELLS RANCH USX AA 35-11 NOBLE ENERGY INC	310258 NESW 35 6N -63W (6) 40.440887, -104.406541	Sidetrack	0 NBRR	6474	6578	6900	AB
			0 CODL	6734	6744	6900	CM
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6468	6739	6920	SI
			0 NBRR	6468	6574	6920	CM
			0 CODL	6729	6739	6920	CM
05-123-26147, WELLS RANCH USX AA 35-14 NOBLE ENERGY INC	310259 SESW 35 6N -63W (6) 40.437280, -104.406538	Sidetrack	Formation	Top	Bottom	TD	Status
			0 CODL	6703	6713	6907	SI
05-123-26325, WELLS RANCH USX AA 35-25 NOBLE ENERGY INC	310379 NESW 35 6N -63W (6) 40.439330, -104.408910	Sidetrack	Formation	Top	Bottom	TD	Status
							AL
05-123-29528, WELLS RANCH USX AA 35-15 NOBLE ENERGY INC	302639 SWSE 35 6N -63W (6) 40.437518, -104.401704	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6407	6674	6883	SI
			0 NBRR	6407	6507	6883	CM
			0 CODL	6664	6674	6883	CM
05-123-29530, WELLS RANCH USX AA 35-09 NOBLE ENERGY INC	302641 NESE 35 6N -63W (6) 40.441415, -104.396483	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6460	6726	6920	PR
			0 NBRR	6460	6558	6920	CM
			0 CODL	6716	6726	6920	CM
05-123-26699, WELLS RANCH 24-36 PDC ENERGY INC	310622 SESW 36 6N -63W (6) 40.436970, -104.387220	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6506	6686	6865	SI
			0 NBRR	6506	6520	6865	CM
			0 CODL	6678	6686	6865	CM
05-123-26700, WELLS RANCH 36B PDC ENERGY INC	310623 NESW 36 6N -63W (6) 40.439250, -104.390030	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6556	6722	6953	SI
05-123-26701, WELLS RANCH 14-36 PDC ENERGY INC	310624 SWSW 36 6N -63W (6) 40.436920, -104.393110	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6431	6690	7385	SI
05-123-26702, WELLS RANCH 23-36 PDC ENERGY INC	310625 NESW 36 6N -63W (6) 40.441310, -104.387940	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6544	6723	7365	SI
			0 NBRR	6544	6558	7365	CM
			0 CODL	6715	6723	7365	CM
05-123-26703, WELLS RANCH 13-36 PDC ENERGY INC	310626 NWSW 36 6N -63W (6) 40.441080, -104.392360	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6462	6722	7672	SI
			0 NBRR	6462	6556	7672	CM
			0 CODL	6714	6722	7672	CM
05-123-26853, WELLS RANCH 12-36 PDC ENERGY INC	310716 SWNW 36 6N -63W (6) 40.444440, -104.392060	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6574	6747	6931	SI
05-123-26854, WELLS RANCH 36A PDC ENERGY INC	310717 SWNW 36 6N -63W (6) 40.446560, -104.390530	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6558	6739	7329	SI
			0 NBRR	6558	6568	7329	CM
			0 CODL	6733	6739	7329	CM
05-123-26855, WELLS RANCH 22-36 PDC ENERGY INC	310718 SENW 36 6N -63W (6) 40.444720, -104.386970	Sidetrack	0 JSND	7197	7204	7329	AB
			Formation	Top	Bottom	TD	Status
05-123-26861, WELLS RANCH 33-36 PDC ENERGY INC	310724 NWSE 36 6N -63W (6) 40.441030, -104.383220	Sidetrack	0 NB-CD	6530	6703	6869	SI
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6400	6670	6824	SI
			0 NBRR	6400	6506	6824	CM
05-123-26865, WELLS RANCH 34-36 PDC ENERGY INC	310728 SWSE 36 6N -63W (6) 40.437280, -104.382830	Sidetrack	0 CODL	6664	6670	6824	CM
			Formation	Top	Bottom	TD	Status
05-123-31193, Wells Ranch 36K PDC ENERGY INC	415771 SENW 36 6N -63W (6) 40.442970, -104.389920	Sidetrack	0 NB-CD	6384	6655	6825	SI
			Formation	Top	Bottom	TD	Status
05-123-31202, Wells Ranch 36O PDC ENERGY INC	415777 NESW 36 6N -63W (6) 40.442991, -104.384995	Sidetrack	0 NB-CD	6460	6732	6930	SI
			Formation	Top	Bottom	TD	Status
05-123-31208, Wells Ranch 36P PDC ENERGY INC	415836 SWSE 36 6N -63W (6) 40.439140, -104.384670	Sidetrack	0 NB-CD	6406	6676	6835	SI
			Formation	Top	Bottom	TD	Status
05-123-31212, Wells Ranch 36F PDC ENERGY INC	415909 SWNW 36 6N -63W (6) 40.446390, -104.394140	Sidetrack	0 NB-CD	6397	6668	6826	SI
			Formation	Top	Bottom	TD	Status
05-123-31235, Wells Ranch 36T PDC ENERGY INC	416029 SESE 36 6N -63W (6) 40.436080, -104.380220	Sidetrack	0 NB-CD	6486	6756	6921	SI
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6372	6643	6811	SI

05-123-31236, Wells Ranch 36L PDC ENERGY INC	415823 SWSW 36 6N -63W (6) 40.436060, -104.390390	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-31248, Wells Ranch 36H PDC ENERGY INC	415980 SWSW 36 6N -63W (6) 40.439030, -104.394220	Sidetrack	0 NB-CD	6418	6692	6843	SI
05-123-35909, State 36TY-208 PDC ENERGY INC	416029 SESE 36 6N -63W (6) 40.436070, -104.380040	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-35910, State 36QT-208 PDC ENERGY INC	416029 SESE 36 6N -63W (6) 40.436070, -104.380400	Sidetrack	0 NB-CD	6432	6700	6858	SI
05-123-35916, State 36IL-405 PDC ENERGY INC	415823 SESW 36 6N -63W (6) 40.436050, -104.389840	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-35940, State 36LQ-405 PDC ENERGY INC	415823 SESW 36 6N -63W (6) 40.436050, -104.389740	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38654, Wells Ranch AA35-67-1AHNA NOBLE ENERGY INC	435552 SWNW 36 6N -63W (6) 40.444857, -104.394107	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38655, Wells Ranch AA35-67-1BHNA NOBLE ENERGY INC	435552 SWNW 36 6N -63W (6) 40.444662, -104.394106	Sidetrack	0 NBRR	7008	11008	11094	PR
05-123-38656, Wells Ranch AA35-67-1HNC NOBLE ENERGY INC	435552 SWNW 36 6N -63W (6) 40.444757, -104.394109	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38657, Wells Ranch AA35-64-1AHNA NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.441124, -104.394111	Sidetrack	0 NBRR	6995	10962	11059	PR
05-123-38658, Wells Ranch AA35-65-1AHNA NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.441332, -104.394108	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38659, Wells Ranch AA35-64-1BHNC NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.441022, -104.394116	Sidetrack	0 NBRR	7147	11112	11210	SI
05-123-38660, Wells Ranch AA35-66-1AHNC NOBLE ENERGY INC	435552 SWNW 36 6N -63W (6) 40.444552, -104.394111	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38661, Wells Ranch AA35-65-1BHNC NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.441236, -104.394104	Sidetrack	0 NBRR	7011	10977	11056	PR
05-123-38667, Wells Ranch AA35-62-1HNA NOBLE ENERGY INC	435566 SWSW 36 6N -63W (6) 40.437397, -104.394122	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38668, Wells Ranch AA35-62-1BHNC NOBLE ENERGY INC	435566 SWSW 36 6N -63W (6) 40.437295, -104.394127	Sidetrack	0 NBRR	6966	10969	11065	PR
05-123-38669, Wells Ranch AA35-63-1BHNA NOBLE ENERGY INC	435566 SWSW 36 6N -63W (6) 40.437604, -104.394112	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38670, Wells Ranch AA35-62-1AHNC NOBLE ENERGY INC	435566 SWSW 36 6N -63W (6) 40.437499, -104.394114	Sidetrack	0 NBRR	7114	10989	11178	PR
05-123-38889, Wells Ranch AA35-63-1HNC NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.440818, -104.394116	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-38890, Wells Ranch AA35-63-1AHNA NOBLE ENERGY INC	435552 NWSW 36 6N -63W (6) 40.440923, -104.394111	Sidetrack	0 NBRR	7133	10314	11190	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	7099	10867	10946	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	6832	10766	10975	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	7079	11098	11192	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	6977	10981	11078	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	7102	10993	11091	SI
			Formation	Top	Bottom	TD	Status
			0 NBRR	7138	11150	11244	PR
			Formation	Top	Bottom	TD	Status
			0 NBRR	7025	11017	11115	PR