

Bedrock Aquifer Evaluation Determination Tool

Denver Basin Aquifer - Specific Location Determination Tool

Applicant: PDC - Churchill 2 28A
(API 123-14471)

Receipt No:

Evaluated By:

Location: SW 1/4 of NW 1/4 of Sec. 28, T.5N, R.64W. (1980 NSL, 660 WSL)

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

Ground Surface Elevation: 4652 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	4478	4623	93.5	174	29	22.45	NNT

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 #	Churchill 2 28A (API 123-14471)						
SB5 Base of Fox Hills	174-29	L-FH		This well GR	WW GR	Elev Diff	
Deepest Water Well Within One Mile / number of wells	105	/	69	4652	4690	-38	
Deepest Water Well Within Two Miles / number of wells		/					
Sussex / Shannon Production within one mile	Y	/	N				
Operator Existing Surface Casing Depth	323						
Production Casing to be pulled	1500						
Required aquifer protection depth in this well	174		50	224			

Water Wells Selected From Map
Filter Results by Depth

105 ft
69 wells

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=9066273, Permit=114024--- HOFF ROBERT & CLEMONS BUD	NESE 20 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0112685, Permit=114024--A-- CLEMONS, R H	SESE 20 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9059408, Permit=5749--- KLEIN, IVAN	SESW 20 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0205995, Permit=--- TROUDT THOMAS G & SUSAN J	21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9062135, Permit=15049-R-- PLATTE VALLEY SCHOOL DISTRICT RE-7	NENE 21 5.0 N -64.0 W	65	48	65	ALL UNNAMED AQUIFERS
Receipt=9063698, Permit=33672--- HOFFNER JAMES A & GEORGIA	NENW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9062041, Permit=14724-R-- SCHOOL DIST #81	NENW 21 5.0 N -64.0 W	65	30	65	ALL UNNAMED AQUIFERS
Receipt=9064110, Permit=38962--- BAILEY, JAMES R	NENW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9064797, Permit=55243--- BOND, FRANK	NWNW 21 5.0 N -64.0 W	60	40	60	ALL UNNAMED AQUIFERS
Receipt=9064809, Permit=55440--- ELLIOTT GEORGE Y & FRANCES L	NWNW 21 5.0 N -64.0 W	40	20	40	ALL UNNAMED AQUIFERS
Receipt=9064932, Permit=60898--- JOHNSON ELLIS E & KATHERINE W	NWNW 21 5.0 N -64.0 W	70	50	70	ALL UNNAMED AQUIFERS
Receipt=9063688, Permit=33469--- CAREY JAMES & HELEN	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9063708, Permit=33875--- DUELL, WAYNE	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9063710, Permit=33878--- DEVRIES, CASE J	NWNW 21 5.0 N -64.0 W	53	33	53	QUATERNARY ALLUVIUM
Receipt=9063711, Permit=33889--- GIESICK REUBEN & KATHRYN	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9063718, Permit=33962--- PREBISH, GEORGE	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=9063336, Permit=27443-F-- SMITH, AARON	NWNW 21 5.0 N -64.0 W	31	0	0	ALL UNNAMED AQUIFERS
Receipt=0216459A, Permit=25415-F-- MILLER CHRISTOPHER & JENNY	NWNW 21 5.0 N -64.0 W	33	0	0	ALL UNNAMED AQUIFERS
Receipt=0012742, Permit=847-AD-- TETIVA, EDWARD J	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0902734, Permit=33390--- MOUNT GARY & JOYCE	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0902735, Permit=33391--- SCHOTT PHILIP & ANNA	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0902744, Permit=33495--- TETIVA, EDWARD J	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS
Receipt=0902896, Permit=34711--- TETIVA, EDWARD J	NWNW 21 5.0 N -64.0 W	0	0	0	ALL UNNAMED AQUIFERS

MOORE BERTRAM E & LORRAINE L	5.0 N -64.0 W			
Receipt=0902940, Permit=35141---	NWNW 21	0	0	0 ALL UNNAMED AQUIFERS
GIGGY RALPH & GLADIS	5.0 N -64.0 W			
Receipt=3638552, Permit=280744---	NWNW 21	0	0	0 ALL UNNAMED AQUIFERS
WRIGHT DAVID & BETTY GOIN	5.0 N -64.0 W			
Receipt=0902560, Permit=31660---	SENW 21	0	0	0 ALL UNNAMED AQUIFERS
CAREY, JAMES	5.0 N -64.0 W			
Receipt=0401314, Permit=46831-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
FOX MAX & LOIS	5.0 N -64.0 W			
Receipt=0409703, Permit=28581-F-R--	SWNW 21	50	30	50 ALL UNNAMED AQUIFERS
BROWN, KATHRYN	5.0 N -64.0 W			
Receipt=0539431, Permit=27444-F-R--	SWNW 21	43	23	43 ALL UNNAMED AQUIFERS
WEIMER, JOHN R	5.0 N -64.0 W			
Receipt=0290210, Permit=33967-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
GUERRIERI, VICTOR	5.0 N -64.0 W			
Receipt=0290211A, Permit=33968-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
WEIMER, JAMES E / KERSEY WELL USERS	5.0 N -64.0 W			
Receipt=0290211E, Permit=33972-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
ZEHNDER STEPHEN & LUANN	5.0 N -64.0 W			
Receipt=0310694, Permit=36842-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
HILL JACK & DENISE	5.0 N -64.0 W			
Receipt=0013292, Permit=8788-AD--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
BEERY, LLOYD G	5.0 N -64.0 W			
Receipt=0238138H, Permit=27436-F--	SWNW 21	34	0	0 ALL UNNAMED AQUIFERS
FIGARO, JOHN	5.0 N -64.0 W			
Receipt=0238138I, Permit=27437-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
HERGANRADER, E	5.0 N -64.0 W			
Receipt=0238138R, Permit=27451-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
SALAZAR, D	5.0 N -64.0 W			
Receipt=0207072, Permit=122183--A--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
SATER PAUL & CYNTHIA	5.0 N -64.0 W			
Receipt=0207072A, Permit=122183---	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
BARANOFF, ELLEN G	5.0 N -64.0 W			
Receipt=0009046, Permit=27426-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
BELL, WENDELL K	5.0 N -64.0 W			
Receipt=0009047, Permit=27428-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
BUNTING, DARRYL	5.0 N -64.0 W			
Receipt=0009059, Permit=27446-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
MIJARES, S C	5.0 N -64.0 W			
Receipt=0009914, Permit=27431-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
VIERYA JAY & HEATHER	5.0 N -64.0 W			
Receipt=9063337, Permit=27444-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
WEIMER JOHN R & GAYLE ANN	5.0 N -64.0 W			
Receipt=9063369, Permit=28036---	SWNW 21	40	31	40 ALL UNNAMED AQUIFERS
CRAVEN, MYRTLE M	5.0 N -64.0 W			
Receipt=9063370, Permit=28037---	SWNW 21	40	22	40 ALL UNNAMED AQUIFERS
MONROE LUCAS & IVREE D	5.0 N -64.0 W			
Receipt=9063875, Permit=36860---	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
SMITH VERNON P & VONDA	5.0 N -64.0 W			
Receipt=9063876, Permit=36861---	SWNW 21	38	0	0 ALL UNNAMED AQUIFERS

MURPHY H R & JULIA V M	5.0 N -64.0 W			
Receipt=9064043, Permit=37816---	SWNW 21	40	20	40 ALL UNNAMED AQUIFERS
DAWNING NAKITA & DAN	5.0 N -64.0 W			
Receipt=9064044, Permit=37817---	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
GONZALES, JOHN	5.0 N -64.0 W			
Receipt=9063322, Permit=27427-F--	SWNW 21	0	0	0 ALL UNNAMED AQUIFERS
NEW DONALD L & BONNIE C	5.0 N -64.0 W			
Receipt=9063328, Permit=27434-F--	SWNW 21	32	0	0 ALL UNNAMED AQUIFERS
PENROD JEREMY/KENNETH & DEBORAH	5.0 N -64.0 W			
Receipt=0328514, Permit=161427---	SWNW 27	56	36	56 ALL UNNAMED AQUIFERS
AKA ENERGY GROUP LLC	5.0 N -64.0 W			
Receipt=0914741, Permit=118811--A--	NENE 28	0	0	0 ALL UNNAMED AQUIFERS
WANDEL ILA H & VIRGINIA D HALL	5.0 N -64.0 W			
Receipt=9066325, Permit=118811--A--	NENE 28	95	11	71 ALL UNNAMED AQUIFERS
CHESNUT MARY E & KEVIN	5.0 N -64.0 W			
Receipt=9061783, Permit=13914---	NESE 28	30	18	30 ALL UNNAMED AQUIFERS
QUANAH CATTLE COMPANY LLC	5.0 N -64.0 W			
Receipt=9062531, Permit=18692---	SESE 28	27	15	27 ALL UNNAMED AQUIFERS
QUANAH CATTLE COMPANY LLC	5.0 N -64.0 W			
Receipt=3665253, Permit=295021---	NESW 28	0	0	0 LARAMIE FOX HILLS
Y NOT DREAM LLC	5.0 N -64.0 W			
Receipt=3666589, Permit=295681---	NESW 28	36	10	36 ALL UNNAMED AQUIFERS
Y NOT DREAM LLC	5.0 N -64.0 W			
Receipt=3676627, Permit=303030---	NESW 28	0	0	0 ALL UNNAMED AQUIFERS
KING DENNIS & MELISSA	5.0 N -64.0 W			
Receipt=0052856, Permit=52856-MH--	NESW 28	0	0	0 ALL UNNAMED AQUIFERS
Y NOT DREAM LLC	5.0 N -64.0 W			
Receipt=9062802, Permit=20712---	NWSW 28	0	0	0 ALL UNNAMED AQUIFERS
HOWARD, DOUGLAS	5.0 N -64.0 W			
Receipt=0052855, Permit=52855-MH--	SESW 28	0	0	0 ALL UNNAMED AQUIFERS
Y NOT DREAM LLC	5.0 N -64.0 W			
Receipt=0276740A, Permit=149025---	SESW 28	0	0	0 ALL UNNAMED AQUIFERS
BRUG, MELVIN	5.0 N -64.0 W			
Receipt=0276740B, Permit=149025--A--	SESW 28	0	0	0 ALL UNNAMED AQUIFERS
BRUG, MELVIN	5.0 N -64.0 W			
Receipt=9066124, Permit=100928---	SWSW 28	45	25	45 ALL UNNAMED AQUIFERS
GIERHART, DEAN H	5.0 N -64.0 W			
Receipt=0242822, Permit=134898---	SWNE 29	0	0	0 ALL UNNAMED AQUIFERS
CARLSON, M	5.0 N -64.0 W			
Receipt=3609856H, Permit=5-GX--	NWSE 29	105	0	0 ALL UNNAMED AQUIFERS
UYEMURA MATT & JULIE	5.0 N -64.0 W			
Receipt=3640639C, Permit=65-GX--	SESE 29	0	0	0 ALL UNNAMED AQUIFERS
POWELL, MARK	5.0 N -64.0 W			

Oil and Gas Wells Selected

Filter Results by Formation

WELL DESCRIPTION	LOCATION ID	LOCATION	WELL INFORMATION	Formation	Top	Bottom	TD	Status
05-123-13087, GILBERT DANLEY 20-1 PDC ENERGY INC	323476	SESE 20 5N -64W (6) 40.379275, -104.566726	Sidetrack	0 NB-CD	6646	6861	6971	SI
05-123-13349, HOFF 20-1 PDC ENERGY INC	323671	SWSE 20 5N -64W (6) 40.379167, -104.571389	Sidetrack	0 NB-CD	6593	6895	7010	SI
05-123-15979, EVERT 20-2 PDC ENERGY INC	328429	SESW 20 5N -64W (6) 40.379421, -104.575855	Sidetrack	0 NB-CD			7025	AB
05-123-22200, DANLEY 33-20 PDC ENERGY INC	332817	NWSE 20 5N -64W (6) 40.380565, -104.569037	Sidetrack	0 NB-CD	6700	7070	7150	SI
05-123-22201, DANLEY 43-20 PDC ENERGY INC	332817	NESE 20 5N -64W (6) 40.380556, -104.568889	Sidetrack	0 NB-CD	6748	7070	7184	SI
05-123-15253, CHESNUT 2 MERIT ENERGY COMPANY	327863	SESE 21 5N -64W (6) 40.378994, -104.547722	Sidetrack	0 CODL	6820		6980	AB
05-123-15254, CHESNUT 3 PDC ENERGY INC	327864	SWSE 21 5N -64W (6) 40.379167, -104.552222	Sidetrack	0 CODL	6810		6962	AB
05-123-15255, CHESNUT 4 PDC ENERGY INC	327865	NWSE 21 5N -64W (6) 40.382778, -104.552222	Sidetrack	0 CODL	6806		6975	AB
05-123-15894, ELDER 14-21 PDC ENERGY INC	328362	SESW 21 5N -64W (6) 40.378846, -104.557883	Sidetrack	0 NB-CD			6963	AB
				0 NBRR	6524	6724	6963	CM
				0 CODL	6823	6831	6963	CM
05-123-15895, ELDER 13-21 PDC ENERGY INC	328363	SWSW 21 5N -64W (6) 40.379722, -104.562500	Sidetrack	0 NB-CD	6698	6891	7016	AB
				0 NBCSX			7016	CM
				0 SUSX	4315	4330	7016	AB
				0 NBRR	6576	6770	7016	CM
				0 CODL	6877	6887	7016	CM
05-123-16362, ELDERSUB 11-21 PDC ENERGY INC	328735	NESW 21 5N -64W (6) 40.381111, -104.557500	Sidetrack	0 NB-CD	6554	6849	6963	SI
				0 NBRR	6554	6670	6963	CM
				0 CODL	6839	6849	6963	CM
05-123-22006, CHESNUT 5 PDC ENERGY INC	332234	CSE 21 5N -64W (6) 40.381301, -104.549740	Sidetrack	0 NB-CD	6534	6714	7006	AB
				0 CODL	6805	6820	7006	CM
05-123-22122, ELDER SUB 13-21 MERIT ENERGY COMPANY	409782	SESW 21 5N -64W (6) 40.381016, -104.558365	Sidetrack	Formation	Top	Bottom	TD	Status
05-123-42853, CHESNUT 21Q-321 PDC ENERGY INC	444671	SESE 21 5N -64W (6) 40.379690, -104.546420	Sidetrack	0 NBRR	7453	11638	11710	PR
05-123-42854, Chesnut 21T-241ST PDC ENERGY INC	444671	SESE 21 5N -64W (6) 40.379630, -104.546480	Sidetrack	2 NB-FH	7429	11534	11608	PR
				2 NBRR	7429	11534	11608	CM
				2 FTHYS	7443	8662	11608	CM
05-123-42855, CHESNUT 21T-221 PDC ENERGY INC	444671	SESE 21 5N -64W (6) 40.379360, -104.546720	Sidetrack	0 N-COM			11155	CM
				0 NBRR	6929	11066	11155	PR
05-123-42856, Chesnut 21Y-341 PDC ENERGY INC	444671	SESE 21 5N -64W (6) 40.379220, -104.546830	Sidetrack	0 N-COM			11272	CM
				0 NBRR	7078	11202	11272	PR
05-123-42857, CHESNUT 21Y-401 PDC ENERGY INC	444671	SESE 21 5N -64W (6) 40.379290, -104.546780	Sidetrack	0 NFCC	7128	11321	11376	PR
				0 NBRR	10998	11321	11376	CM
				0 FTHYS	7128	10998	11376	CM
				0 CODL	7202	10573	11376	CM
				0 CARL	7484	9204	11376	CM
05-123-42858, CHESNUT 21T-301	444671	SESE 21 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status

PDC ENERGY INC	40.379560, -104.546540		0 NBRR	7228	11038	11103	PR
05-123-42859, CHESNUT 21T-201	444671 SESE 21 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.379490, -104.546600		0 NBRR	7048	10859	11172	PR
05-123-42860, CHESNUT 21T-321	444671 SESE 21 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.379430, -104.546660		0 NBRR	7048	11275	11342	PR
05-123-19305, WHITE 27-6	330574 SWNW 27 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.372222, -104.542778		0 NB-CD			6900	PR
05-123-40070, Chesnut 27K-203	438631 SWNW 27 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371170, -104.543600		0 N-COM				SI
05-123-40071, Chesnut 27K-343	438631 SWNW 27 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371250, -104.543600		0 N-COM				CM
05-123-40072, Chesnut 27G-203	438631 SWNW 27 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371330, -104.543600		0 NBRR	7281	13920		PR
05-123-40073, Chesnut 27G-423	438631 SWNW 27 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371418, -104.543606		0 N-COM				PR
05-123-10754, WELCH 1	319136 SESW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.364830, -104.556980		0 NB-CD			6930	PR
05-123-11458, HALL 28-1	319548 SENE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.372778, -104.548611		0 NBRR	6538	6719	6930	CM
05-123-11493, CHURCHILL 28-1	319572 SENW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371996, -104.557163		0 CODL	6817	6835	6930	CM
05-123-11998, ADAMSON 28-1	332809 NWSW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.368487, -104.561844		0 NB-CD	6600	6836	6966	PR
05-123-12037, P & A FARMS 28-1	322775 SESE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.365408, -104.547925		0 NBRR	6600	6730	6966	CM
05-123-13756, LATHAM 28-1	408340 NWSE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PARKER & PARSLEY DEV L P	40.368526, -104.552384		0 CODL	6823	6836	6966	CM
05-123-14456, CHURCHILL 28A 1	327297 NWNW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.375556, -104.561389		0 NB-CD	6650	6845	6950	PR
05-123-14471, CHURCHILL 2 28A	327305 SWNW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371944, -104.561667		0 NB-CD			6950	SI
05-123-15977, CHURCHILL 28-2	332853 NENW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.375690, -104.557170		0 NB-CD	6534	6832	6995	PR
05-123-18364, HALL 28-2	330080 NENE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.375556, -104.547500		0 NBRR	6534	6730	6995	CM
05-123-18467, HALL 28-3	330129 SWNE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.371944, -104.552222		0 CODL	6817	6832	6995	CM
05-123-18468, HALL 28-4	330130 NWNW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.376111, -104.551944		0 NB-CD			6991	AB
05-123-19405, P & A FARMS 28-2	330644 NESE 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.368418, -104.549141		0 NB-CD			6980	SI
05-123-19417, ADAMSON 28-2	330653 SWSW 28 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PDC ENERGY INC	40.365281, -104.561848		0 NB-CD			7011	SI

05-123-19494, WELCH B 28-11 PDC ENERGY INC	330709 NESW 28 5N -64W (6) 40.367911, -104.557768	Sidetrack	0 CODL 6852 6864 7011 CM Formation Top Bottom TD Status 0 NB-CD 6536 6829 7010 PR 0 NBRR 6536 6652 7010 CM 0 CODL 6815 6829 7010 CM
05-123-23412, HALL 28-5 PDC ENERGY INC	305736 NWNW 28 5N -64W (6) 40.374440, -104.550500	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6672 6810 6962 PR 0 NBRR 6672 6692 6962 CM 0 CODL 6796 6810 6962 CM
05-123-25024, CHURCHILL 2-71 PDC ENERGY INC	332853 NENW 28 5N -64W (6) 40.375690, -104.557040	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6596 6900 7215 PR 0 NBRR 6596 6794 7215 TA 0 CODL 6889 6900 7215 TA
05-123-25025, CHURCHILL 2-6B PDC ENERGY INC	332853 NENW 28 5N -64W (6) 40.375760, -104.557150	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6582 6896 7220 PR 0 NBRR 6582 6786 7220 CM 0 CODL 6885 6896 7220 CM
05-123-25595, CHURCHILL 5 PDC ENERGY INC	309924 NWNW 28 5N -64W (6) 40.374268, -104.559313	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6530 6830 6992 PR
05-123-28192, ADAMSON 1-6I PDC ENERGY INC	332809 NWSW 28 5N -64W (6) 40.368480, -104.561670	Sidetrack	Formation Top Bottom TD Status 0 CODL 6927 6949 7103 AB
05-123-29053, ADAMSON 5 PDC ENERGY INC	332809 NWSW 28 5N -64W (6) 40.368360, -104.561840	Sidetrack	Formation Top Bottom TD Status 0 NB-CD 6643 6945 7126 PR 0 NBRR 6643 6838 7126 CM 0 CODL 6929 6945 7126 CM
05-123-39038, Chesnut 28M-423 PDC ENERGY INC	436284 NWNW 28 5N -64W (6) 40.376450, -104.549990	Sidetrack	Formation Top Bottom TD Status 0 N-COM 13946 CM 0 CLCDFH 7415 13946 13946 PR 0 FTHYS 7415 13946 13946 CM 0 CODL 7907 12595 13946 CM 0 CARL 8273 12954 13946 CM
05-123-39039, Chesnut 28M-323 PDC ENERGY INC	436284 NENE 28 5N -64W (6) 40.376395, -104.549928	Sidetrack	Formation Top Bottom TD Status 0 N-COM 13920 PR 0 NBRR 7143 13920 13920 PR
05-123-39040, CHESNUT 28R-243 PDC ENERGY INC	436284 NENE 28 5N -64W (6) 40.376260, -104.549770	Sidetrack	Formation Top Bottom TD Status 0 N-COM 13668 PR 0 NBRR 7238 13668 13668 PR
05-123-39041, Chesnut 28R-443 PDC ENERGY INC	436284 NENE 28 5N -64W (6) 40.376330, -104.549840	Sidetrack	Formation Top Bottom TD Status 0 N-COM 13935 CM 0 NBFHC 7303 13935 13935 PR 0 NBRR 7303 13935 13935 CM 0 FTHYS 7376 13413 13935 CM 0 CODL 8294 13024 13935 CM
05-123-39042, Chesnut 28M-203 PDC ENERGY INC	436284 NWNW 28 5N -64W (6) 40.376517, -104.550069	Sidetrack	Formation Top Bottom TD Status 0 N-COM 13855 SI 0 NBRR 7312 13855 13855 SI
05-123-39224, Chesnut 28R-403 PDC ENERGY INC	436689 NENE 28 5N -64W (6) 40.376480, -104.548620	Sidetrack	Formation Top Bottom TD Status 0 N-COM CM
05-123-39225, Chesnut 28R-423 PDC ENERGY INC	436689 NENE 28 5N -64W (6) 40.376470, -104.548410	Sidetrack	Formation Top Bottom TD Status 0 N-COM CM
05-123-39226, Chesnut 28U-243 PDC ENERGY INC	436689 NENE 28 5N -64W (6) 40.376470, -104.548300	Sidetrack	Formation Top Bottom TD Status 0 N-COM PR
05-123-39227, Chesnut 28U-403 PDC ENERGY INC	436689 NENE 28 5N -64W (6) 40.376470, -104.548190	Sidetrack	Formation Top Bottom TD Status 0 N-COM CM
05-123-39228, Chesnut 28R-323 PDC ENERGY INC	436689 NENE 28 5N -64W (6) 40.376470, -104.548520	Sidetrack	Formation Top Bottom TD Status 0 N-COM PR
05-123-39747, Churchill 28M-443 PDC ENERGY INC	437887 NENW 28 5N -64W (6) 40.376910, -104.559170	Sidetrack	Formation Top Bottom TD Status 0 N-COM CM

05-123-39748, Churchill 28J-343 PDC ENERGY INC	437887 NWNW 28 5N -64W (6) 40.376910, -104.559710	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		PR
05-123-39749, Churchill 28J-423 PDC ENERGY INC	437887 NENW 28 5N -64W (6) 40.376910, -104.559390	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		CM
05-123-39750, Churchill 28J-203 PDC ENERGY INC	437887 NWNW 28 5N -64W (6) 40.376910, -104.559500	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		PR
05-123-39751, Churchill 28E-203 PDC ENERGY INC	437887 NWNW 28 5N -64W (6) 40.376900, -104.559930	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		PR
05-123-39752, Churchill 28J-443 PDC ENERGY INC	437887 NWNW 28 5N -64W (6) 40.376910, -104.559600	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		CM
05-123-39753, Churchill 28M-343 PDC ENERGY INC	437887 NENW 28 5N -64W (6) 40.376910, -104.559280	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		PR
05-123-39869, Churchill 28E-423 PDC ENERGY INC	437887 NWNW 28 5N -64W (6) 40.376900, -104.559820	Sidetrack	Formation Top	Bottom TD	Status
			0 N-COM		CM
05-123-12482, ROSKOP 29-1 PDC ENERGY INC	323047 SENE 29 5N -64W (6) 40.372222, -104.566389	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD		6965 CM
			0 NBRR	6584 6776	6965 PR
			0 CODL	6860	6965 AB
05-123-13348, OTTENHOFF 29-1 PDC ENERGY INC	323670 NWNE 29 5N -64W (6) 40.375556, -104.571389	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6582 6900	7040 PR
			0 NBRR	6582 6794	7040 SI
			0 CODL	6888	7040 TA
05-123-13351, OCOMA B 29-11 NOBLE ENERGY INC	323672 NESW 29 5N -64W (6) 40.368240, -104.576060	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6636 6933	7050 SI
			0 NBRR	6636 6768	7050 CM
			0 CODL	6922 6933	7050 CM
05-123-13393, OCOMA UPRR LEASE B29-14 NOBLE ENERGY INC	323702 SESW 29 5N -64W (6) 40.364608, -104.576042	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6682 6962	7080 PR
			0 NBRR	6682 6806	7080 CM
			0 CODL	6947 6962	7080 CM
05-123-13698, GEMINI B29-6 NOBLE ENERGY INC	326805 SENW 29 5N -64W (6) 40.371888, -104.576100	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6620 6926	7074 SI
			0 NBRR	6620 6805	7074 CM
			0 CODL	6910 6926	7074 CM
05-123-13853, GEMINI B29-3 NOBLE ENERGY INC	336663 NENW 29 5N -64W (6) 40.375270, -104.576240	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6608 6919	7063 AB
			0 NBRR	6608 6814	7063 CM
			0 CODL	6908 6919	7063 CM
05-123-14124, CARLSON 29-1 PDC ENERGY INC	327080 SWNE 29 5N -64W (6) 40.371667, -104.571111	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD		7005 CM
			0 NBRR	6620 6792	7005 SI
			0 CODL	6884 6893	7005 TA
05-123-15412, BLAKE B 29-9 NOBLE ENERGY INC	328000 NESE 29 5N -64W (6) 40.368030, -104.567180	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD		7086 AB
			0 NBRR	6608 6730	7086 AB
			0 CODL	6900 6913	7086 AB
05-123-15413, BLAKE B29-10 GERRITY OIL & GAS CORP	408670 NWSE 29 5N -64W (6) 40.368229, -104.571361	Sidetrack	Formation Top	Bottom TD	Status
			0 CODL		7125 AB
05-123-15414, BLAKE B29-15 NOBLE ENERGY INC	328001 SWSE 29 5N -64W (6) 40.364930, -104.571420	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD		7092 SI
			0 NBRR	6771 6790	7092 CM
			0 CODL	6928 6938	7092 CM
05-123-15415, BLAKE B29-16 NOBLE ENERGY INC	328002 SESE 29 5N -64W (6) 40.364690, -104.566870	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD		7078 AB
			0 NBRR	6608 6728	7078 CM
			0 CODL	6896 6910	7078 CM
05-123-18221, BLAKE B 29-10X NOBLE ENERGY INC	330023 NWSE 29 5N -64W (6) 40.368710, -104.571710	Sidetrack	Formation Top	Bottom TD	Status
			0 NB-CD	6786 6899	7072 SI

			0 NBRR	6786	6788	7072	CM
			0 CODL	6886	6899	7072	CM
05-123-21759, OTTENHOFF 41-29 PDC ENERGY INC	332806 NENE 29 5N -64W (6) 40.375556, -104.566389	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6564	6868	7029	PR
			0 CODL	6852	6565	7029	CM
05-123-22190, BLAKE B 29-23 NOBLE ENERGY INC	332356 NWSE 29 5N -64W (6) 40.367350, -104.571000	Sidetrack	Formation	Top	Bottom	TD	Status
			0 JNBCD	6690	7432	7595	CM
			0 NB-CD	6748	6947	7595	SI
			0 NBRR	6690	6760	7595	CM
			0 CODL	6933	6947	7595	CM
			0 JSND	7368	7432	7595	SI
05-123-22215, OCOMA B 29-25 NOBLE ENERGY INC	332376 NESW 29 5N -64W (6) 40.367030, -104.578150	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6640	6950	7133	SI
			0 NBRR	6640	6770	7133	PR
			0 CODL	6938	6950	7133	CM
05-123-23064, GEMINI B 29-19 NOBLE ENERGY INC	305500 SENW 29 5N -64W (6) 40.373116, -104.578422	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6612	6915	7093	SI
			0 NBRR	6612	6737	7093	CM
			0 CODL	6901	6915	7093	CM
05-123-25089, OTTENHOFF 41-7B PDC ENERGY INC	332806 NENE 29 5N -64W (6) 40.375810, -104.566580	Sidetrack	Formation	Top	Bottom	TD	Status
			0 N-COM			7380	PR
			0 NBRR	6641	6844	7380	CM
			0 CODL	6936	6948	7380	CM
05-123-25090, OTTENHOFF 41-6B PDC ENERGY INC	332806 NENE 29 5N -64W (6) 40.375720, -104.566500	Sidetrack	Formation	Top	Bottom	TD	Status
			0 N-COM			7245	PR
			0 NBRR	6820	6924	7245	CM
			0 CODL	7022	7038	7245	CM
05-123-25232, CARLSON 5 PDC ENERGY INC	309686 NENE 29 5N -64W (6) 40.374180, -104.568400	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6586	6886	7220	PR
			0 NBRR	6586	6780	7220	CM
			0 CODL	6874	6886	7220	CM
05-123-25649, HELDT B 29-20 NOBLE ENERGY INC	309959 NWSW 29 5N -64W (6) 40.369917, -104.578823	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6633	6936	7604	SI
			0 NBRR	6633	6826	7604	CM
			0 CODL	6922	6936	7604	CM
05-123-25714, YBARRA B 29-29 NOBLE ENERGY INC	309993 NWNW 29 5N -64W (6) 40.376867, -104.578565	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6622	6933	7068	AB
			0 NBRR	6622	6749	7068	CM
			0 CODL	6918	6933	7068	CM
05-123-25719, YBARRA B 29-18 NOBLE ENERGY INC	336663 NENW 29 5N -64W (6) 40.375267, -104.576102	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6717	7037	7132	AB
			0 NBRR	6717	6847	7132	CM
			0 CODL	7022	7037	7132	CM
05-123-25759, HELDT B 29-21 NOBLE ENERGY INC	310022 NESW 29 5N -64W (6) 40.369836, -104.574338	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6574	6851	7107	TA
			0 NBRR	6574	6646	7107	TA
			0 CODL	6839	6851	7107	TA
05-123-28124, BELL B 29-24 D NOBLE ENERGY INC	332771 NWSE 29 5N -64W (6) 40.369773, -104.571060	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	7040	7246	7853	AB
			0 NBRR	7040	7122	7853	CM
			0 CODL	7232	7246	7853	CM
05-123-29200, BELL B 29-22D NOBLE ENERGY INC	332771 NWSE 29 5N -64W (6) 40.369773, -104.570977	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6718	6999	7130	SI
			0 NBRR	6718	6822	7130	CM
			0 CODL	6985	6999	7130	CM
05-123-43638, Ottenhoff 29M-203 PDC ENERGY INC	447859 NENE 29 5N -64W (6) 40.375960, -104.568160	Sidetrack	Formation	Top	Bottom	TD	Status
							AL
05-123-43639, Ottenhoff 29M-263	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status

PDC ENERGY INC	40.375959, -104.568052					DG
05-123-43640, Ottenhoff 29R-423	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375957, -104.567783					DG
05-123-43641, Ottenhoff 29R-303	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375958, -104.567890					DG
05-123-43642, Ottenhoff 29R-353	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375958, -104.567998					DG
05-123-43643, Ottenhoff 29R-253	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375958, -104.567944					DG
05-123-43644, Ottenhoff 29U-343	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375955, -104.567621					DG
05-123-43645, Ottenhoff 29R-323	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375956, -104.567729					DG
05-123-43646, Ottenhoff 29U-243	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375956, -104.567675					XX
05-123-43647, Ottenhoff 29R-203	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375957, -104.567837					DG
05-123-43648, Ottenhoff 29M-353	447859 NENE 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.375959, -104.568106					DG
05-123-46284, Castle 1N	453755 NENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.376150, -104.576100					DG
05-123-46291, Castle 2N	453755 NENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.376110, -104.576110					DG
05-123-46292, Castle 4N	453755 NENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.376030, -104.576130					DG
05-123-46294, Castle 3N	453755 NENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.376070, -104.576120					DG
05-123-46296, Blanca 2N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370175, -104.574795					DG
05-123-46297, Blanca 9N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370177, -104.575064					DG
05-123-46298, Blanca 10N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370178, -104.575118					DG
05-123-46299, Blanca 12N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370179, -104.575225					DG
05-123-46300, Blanca 13N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370179, -104.575279					DG
05-123-46301, Blanca 11N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370178, -104.575171					DG
05-123-46302, Blanca 7N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370176, -104.574956					DG
05-123-46303, Blanca 4N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370174, -104.574687					DG
05-123-46304, Blanca 14N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370179, -104.575333					DG
05-123-46305, Blanca 6N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370176, -104.574902					DG
05-123-46306, Blanca 3N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370175, -104.574741					DG
05-123-46307, Blanca 8C	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370177, -104.575010					DG
05-123-46308, Blanca 15C	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370180, -104.575387					DG
05-123-46309, Blanca 1N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370176, -104.574848					DG
05-123-46310, Blanca 5N	453819 SENW 29 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status
PDC ENERGY INC	40.370174, -104.574633					DG
05-123-12237, DIC CROSS 31-32	322901 NWNE 32 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD Status

PDC ENERGY INC	40.361111, -104.571111		0 NB-CD			7025	AB
05-123-20028, CROSS 32-11	409499 NENE 32 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
PETRO-CANADA RESOURCES (USA) INC	40.361296, -104.566645		1 N-COM			7064	AB
			0 N-COM			7077	AB
05-123-21153, CROSS 32-11A	331702 NENE 32 5N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.360660, -104.565840		0 NB-CD	6646	6924	7227	PR
			0 NBRR	6646	6832	7227	CM
			0 CODL	6912	6924	7227	CM
			Formation	Top	Bottom	TD	Status
05-123-10762, WONENBERG 1	319141 NWNW 33 5N -64W (6)	Sidetrack	0 CODL			6998	AB
PDC ENERGY INC	40.361126, -104.561824		0 NB-CD			6998	CM
			0 NBRR	6608		6998	PR
			Formation	Top	Bottom	TD	Status
05-123-11450, HENDRICKS 33-2	319544 NWNE 33 5N -64W (6)	Sidetrack	0 NB-CD			6930	PR
PDC ENERGY INC	40.361389, -104.551944		Formation	Top	Bottom	TD	Status
05-123-21181, WONENBERG B 33-3	331720 NENW 33 5N -64W (6)	Sidetrack	0 NB-CD	6550	6843	6975	PR
PDC ENERGY INC	40.361230, -104.556970		0 NBRR	6550	6666	6975	CM
			0 CODL	6830	6843	6975	CM
			Formation	Top	Bottom	TD	Status
05-123-30870, HOFFMAN B 33-19	414543 NWNW 33 5N -64W (6)	Sidetrack	0 NB-CD	6579	6870	7044	SI
PDC ENERGY INC	40.359840, -104.559440		Formation	Top	Bottom	TD	Status
05-123-30991, HOFFMAN B 33-18D	331720 NENW 33 5N -64W (6)	Sidetrack					
NOBLE ENERGY INC	40.361100, -104.556970						AL