

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

Applicant: PDC - Gutttersen 23-41
(API 123-20019)

Receipt No:

Evaluated By:

Location: NE 1/4 of NE 1/4 of Sec. 23, T.3N, R.64W. (652 NSL, 659 ESL)

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

Ground Surface Elevation: 4772 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 APPROP. (A-F)	STATUS
	Bot	Top		Bot	Top		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	--	--	--	--	--	--	--
Lower Arapahoe	--	--	--	--	--	--	--
Laramie-Fox Hills	4236	4562	168.6	536	210	40.47	NT

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 #	Gutttersen 23-41 (API 123-20019)			OG GR	WW GR	Elev Diff
SB5 Base of Fox Hills	210	L-FH				
Deepest Water Well Within One Mile / number of wells		/				
Deepest Water Well Within Two Miles / number of wells	620	/	38	4772	4785	-13
Sussex / Shannon Production within one mile	Y	/	N			
Operator Existing Surface Casing Depth	640					
Production Casing to be pulled	1700					
Required aquifer protection depth in this well	620	-13	50	657'		

Water Wells Selected From Map

Filter Results by Depth

620 ft

38 wells

2 mi

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=9065297, Permit=72814--- L F RANCH CO	SE NW 13 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=9060556, Permit=11048--- 2 E RANCHES INC	SE NW 15 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=9060555, Permit=11047--- 2 E RANCHES INC	SE SW 23 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0025527, Permit=103682--- L F RANCH	NE SW 24 3.0 N -64.0 W		60	7	60 ALL UNNAMED AQUIFERS
Receipt=0107009C, Permit=8633-AD-- ADOLPH COORS CO	25 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0264826, Permit=-- ADOLPH COORS COMPANY	NW NW 25 3.0 N -64.0 W		0	0	0 LARAMIE FOX HILLS
Receipt=0107009A, Permit=24650-F-- ADOLPH COORS CO	NW NW 25 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0107009B, Permit=24651-F-- ADOLPH COORS COMPANY	NW NW 25 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0412256, Permit=48289-F-- COORS ENERGY CO	NE SE 25 3.0 N -64.0 W		620	324	580 LARAMIE FOX HILLS
Receipt=0030116, Permit=97047-VE-- COORS ENERGY CO	NE SE 25 3.0 N -64.0 W		620	324	580 ALL UNNAMED AQUIFERS
Receipt=9066317, Permit=118331--- ADOLPH COORS COMPANY	NE SE 25 3.0 N -64.0 W		61	36	56 ALL UNNAMED AQUIFERS
Receipt=0381792I, Permit=186864--- WASTE SERVICES CO	SW NW 26 3.0 N -64.0 W		20	10	19 LARAMIE
Receipt=0024272, Permit=24272-MH-- WASTE SERVICE COMPANY	NW SW 26 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0024159A, Permit=24159-MH-- WASTE SERVICE CO	SE SW 26 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0001146A, Permit=1993072-AB-- INDUSTRIAL, COMPLIANCE	SE SW 26 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0001167, Permit=1993093-AB-- INDUSTRIAL, COMPLIANCE	SE SW 26 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0381792D, Permit=186848--- WASTE SERVICES CO	SE SW 26 3.0 N -64.0 W		44	29	44 LARAMIE
Receipt=0381792E, Permit=186849--- WASTE SERVICES CO	SE SW 26 3.0 N -64.0 W		22	10	22 LARAMIE
Receipt=0381792F, Permit=186845--- WASTE SERVICES CO	SW SW 26 3.0 N -64.0 W		72	52	72 LARAMIE
Receipt=0381792G, Permit=186846--- WASTE SERVICES CO	SW SW 26 3.0 N -64.0 W		30	10	30 LARAMIE
Receipt=0381792H, Permit=186847--- WASTE SERVICES CO	SW SW 26 3.0 N -64.0 W		44	33	43 LARAMIE
Receipt=0024158, Permit=24158-MH-- WASTE SERVICE CO	SW SW 26 3.0 N -64.0 W		0	0	0 ALL UNNAMED AQUIFERS
Receipt=0025223A, Permit=186844--- WASTE SERVICES CO	SW SW 26 3.0 N -64.0 W		20	10	20 LARAMIE
Receipt=0001136, Permit=1993063-AB--	SE NE 27		0	0	0 ALL UNNAMED AQUIFERS

INDUSTRIAL, COMPLIANCE	3.0 N -64.0 W			
Receipt=0381792N, Permit=186860---	SENE 27	40	10	39 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0381792M, Permit=186859---	SWNE 27	20	10	20 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0001137, Permit=1993064-AB--	SWNE 27	0	0	0 ALL UNNAMED AQUIFERS
INDUSTRIAL, COMPLIANCE	3.0 N -64.0 W			
Receipt=0381792W, Permit=186858---	SENE 27	22	10	22 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0381792R, Permit=186861---	NESE 27	74	56	74 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0001143, Permit=1993070-AB--	NESE 27	0	0	0 ALL UNNAMED AQUIFERS
INDUSTRIAL, COMPLIANCE	3.0 N -64.0 W			
Receipt=0024271A, Permit=24271-MH--	NESE 27	0	0	0 ALL UNNAMED AQUIFERS
WASTE SERVICE COMPANY	3.0 N -64.0 W			
Receipt=0024269, Permit=24269-MH--	NWSE 27	0	0	0 ALL UNNAMED AQUIFERS
WASTE SERVICE COMPANY	3.0 N -64.0 W			
Receipt=0024270, Permit=24270-MH--	NWSE 27	0	0	0 ALL UNNAMED AQUIFERS
WASTE SERVICE COMPANY	3.0 N -64.0 W			
Receipt=0001138, Permit=1993065-AB--	NWSE 27	0	0	0 ALL UNNAMED AQUIFERS
INDUSTRIAL, COMPLIANCE	3.0 N -64.0 W			
Receipt=0001139A, Permit=1993066-AB--	NWSE 27	0	0	0 ALL UNNAMED AQUIFERS
INDUSTRIAL, COMPLIANCE	3.0 N -64.0 W			
Receipt=0381792S, Permit=186862---	SESE 27	54	10	54 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0381792T, Permit=186842---	SESE 27	49	33	40 LARAMIE
WASTE SERVICES CO	3.0 N -64.0 W			
Receipt=0381792U, Permit=186843---	SESE 27	30	10	30 LARAMIE
WASTE SERVICES CO	3.0 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
05-123-11196, L F RANCH 1-13 PDC ENERGY INC	319401	NWSE 13 3N -64W (6) 40.222220, -104.497280	Sidetrack	0 J-CDL	6814	7341	7415	CM
				0 CODL	6814	6826	7415	SI
				0 JSND	7286	7341	7415	AB
05-123-13432, L.F. RANCH 13-4 PDC ENERGY INC	323730	NWNW 13 3N -64W (6) 40.229830, -104.505420	Sidetrack	Formation	Top	Bottom	TD	Status
				0 JNBCD	6590	7310	7376	SI
				0 JSND	7279	7310	7376	TA
				0 NB-CD	6590	6870	7376	SI
05-123-15610, DALBEY D 13-14 FREEDOM ENERGY INC	408703	SESW 13 3N -64W (6) 40.220638, -104.503112	Sidetrack	Formation	Top	Bottom	TD	Status
								AL
05-123-15781, DALBEY D 13-12 NOBLE ENERGY INC	328269	NWSW 13 3N -64W (6) 40.222180, -104.505460	Sidetrack	Formation	Top	Bottom	TD	Status
				0 JNC SX	4312	7334	7450	PR
				0 NB-CD	6614	6846	7450	PR
				0 SUSX	4312	4338	7450	SI
				0 JSND	7300	7334	7450	SI
05-123-16062, DALBEY D 13-14 NOBLE ENERGY INC	328498	SESW 13 3N -64W (6) 40.219560, -104.502110	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6598	6828	6961	AB
				0 NBCSX	4215	6828	6961	AB
				0 SUSX	4215	4350	6961	AB
05-123-16506, DALBEY D 13-13 NOBLE ENERGY INC	328845	SWSW 13 3N -64W (6) 40.219720, -104.506650	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6612	6850	6950	SI
				0 NBCSX	4318	6846	6950	SI
				0 SUSX	4284	4328	6950	AB
				0 NBRR	6612	6619	6950	CM
				0 CODL	6836	6850	6950	CM
05-123-16507, DALBEY D 13-11 NOBLE ENERGY INC	328846	NESW 13 3N -64W (6) 40.223490, -104.501420	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6598	6833	6968	SI
				0 CODL	6833	7819	6968	CM
05-123-26312, GUTTERSEN 12-13 PDC ENERGY INC	310367	SWNW 13 3N -64W (6) 40.227060, -104.506690	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6611	6837	7018	PR
05-123-26313, GUTTERSEN 22-13 PDC ENERGY INC	310368	SENW 13 3N -64W (6) 40.227060, -104.501920	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6580	6808	7017	PR
05-123-26353, GUTTERSEN 13D PDC ENERGY INC	310400	SWSE 13 3N -64W (6) 40.221780, -104.494720	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6574	6810	7659	SI
				0 NBRR	6574	6588	7659	CM
				0 CODL	6800	6810	7659	CM
05-123-26356, GUTTERSEN 34-13 PDC ENERGY INC	310403	SWSE 13 3N -64W (6) 40.219810, -104.497310	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6588	6814	7021	SI
05-123-28017, GUTTERSEN 13T PDC ENERGY INC	302252	SWSE 13 3N -64W (6) 40.218420, -104.494920	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6596	6824	7001	PR
05-123-07734, SPIKE STATE GWS D 14-13J NOBLE ENERGY INC	317767	SWSW 14 3N -64W (6) 40.221660, -104.523640	Sidetrack	Formation	Top	Bottom	TD	Status
				0 JCDSX	4459	7638	7565	CM
				0 NB-CD	6730	6968	7565	AB
				0 SUSX	4422	4675	7565	AB
				0 NBRR	6730	6838	7565	CM
				0 CODL	6956	6968	7565	CM
				0 JSND	7418	7459	7565	AB
05-123-15644, DALBEY D 14-6 NOBLE ENERGY INC	328172	SENW 14 3N -64W (6) 40.227410, -104.520930	Sidetrack	Formation	Top	Bottom	TD	Status
				0 NB-CD	6684	6911	7040	SI
				0 NBCSX	4340	6906	7040	SI
				0 SUSX	4340	4355	7040	AB
				0 NBRR	6684	6690	7040	CM
				0 CODL	6898	6911	7040	CM
05-123-15646, DALBEY D 14-7	328174	SWNE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status

NOBLE ENERGY INC	40.227030, -104.516440		0 NB-CD	6652	6883	6983	PR
			0 NBCSX	4320	6883	6983	PR
			0 SUSX	4320	4352	6983	PR
05-123-15702, DALBEY D 14-2	328211 NWNW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.229880, -104.514890		0 JNCSX	4294	7350	7647	SI
			0 NB-CD	6648	6872	7647	SI
			0 SUSX	4343	7294	7647	SI
			0 JSND	7326	7350	7647	SI
05-123-15776, DALBEY D 14-9	408725 NESE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
FREEDOM ENERGY INC	40.223298, -104.511342						AL
05-123-16015, SPIKE STATE GWS D 14-10	328458 NWSE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.223140, -104.515840		0 NB-CD	6674	6910	7070	SI
			0 SX-CD	4346	6910	7070	SI
			0 SUSX	4346	4366	7070	AB
			0 NBRR	6674	6690	7070	CM
			0 CODL	6900	6910	7070	CM
05-123-16032, SPIKE STATE GWS D 14-11	328474 NESW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.223970, -104.520170		0 SX-CD	4356	6938	7132	PR
			0 SUSX	4356	4400	7132	AB
			0 CODL	6927	6938	7132	PR
05-123-16033, SPIKE STATE GWS D 14-12	328475 NWSW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.224040, -104.526050		0 SX-CD	4424	6944	7143	PR
			0 SUSX	4424	4466	7143	TA
			0 CODL	6934	6944	7143	PR
05-123-16034, SPIKE STATE GWS D 14-14	328476 SESW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.219440, -104.520270		0 SX-CD	4358	6954	7143	AB
			0 SUSX	4358	4405	7143	AB
			0 CODL	6944	6954	7143	AB
05-123-16035, SPIKE STATE GWS D 14-15	328477 SWSE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.219760, -104.515640		0 SX-CD	4348	6928	7080	CM
			0 SUSX	4348	4391	7080	SI
			0 CODL	6917	6928	7080	SI
05-123-16036, SPIKE D 14-16	408751 SESE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
GERRITY OIL & GAS CORP	40.219688, -104.511302						AL
05-123-16208, DALBEY D 14-8	328611 SENE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.227093, -104.511708		0 NB-CD	6625	6857	7006	SI
			0 NBCSX	4316	6857	7006	SI
			0 SUSX	4316	4341	7006	SI
05-123-25088, SPIKE D 14-9	306665 NESE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.223879, -104.510795		0 NB-CD	6668	6869	7490	SI
			0 NBRR	6668	6684	7490	CM
			0 CODL	6856	6869	7490	CM
05-123-25091, SPIKE D 14-16	306666 SESE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.219399, -104.510863		0 NB-CD	6664	6902	7503	SI
			0 NBRR	6664	6680	7503	CM
			0 CODL	6889	6902	7503	CM
05-123-25097, SPIKE STATE D 14-13	306670 SWSW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.219694, -104.525882		0 NB-CD	6719	6958	7145	PR
			0 NBRR	6719	6735	7145	CM
			0 CODL	6945	6958	7145	CM
05-123-28199, GUTTERSEN STATE D 14-23	302353 SESE 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.221495, -104.513568		0 JNBCD	6762	7406	7505	CM
			0 NB-CD	6762	6908	7505	PR
			0 NBRR	6762	6774	7505	CM
			0 CODL	6896	6908	7505	CM
			0 JSND	7356	7406	7505	PR
05-123-29938, GUTTERSEN STATE D 14-33	302857 NWSW 14 3N -64W (6)	Sidetrack	Formation	Top	Bottom	TD	Status
NOBLE ENERGY INC	40.221884, -104.527169		0 NB-CD	6738	6968	7111	PR

05-123-30200, GUTTERSEN STATE D 14-24 NOBLE ENERGY INC	410147 SESE 14 3N -64W (6) 40.221610, -104.518664	Sidetrack	0 NBRR	6738	6882	7111	CM
			0 CODL	6955	6968	7111	CM
05-123-34534, GUTTERSEN D 23-69HN NOBLE ENERGY INC	425878 SESE 15 3N -64W (6) 40.219530, -104.529670	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6708	6947	7094	PR
05-123-24008, SEVENDUST STATE D 22-1 NOBLE ENERGY INC	306116 NENE 22 3N -64W (6) 40.216630, -104.529910	Sidetrack	0 NBRR	6708	6804	7094	CM
			0 CODL	6933	6947	7094	CM
05-123-11335, TWO E RANCH 1-23 PDC ENERGY INC	319479 SESE 23 3N -64W (6) 40.206610, -104.512310	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NBRR	7411	11321	11450	PR
05-123-16553, PARKER RED D 23-2J NOBLE ENERGY INC	328880 SENW 23 3N -64W (6) 40.213487, -104.522461	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6728	6972	7603	SI
05-123-16961, PARKER RED D 23-3 NOBLE ENERGY INC	329168 NENW 23 3N -64W (6) 40.216330, -104.520660	Sidetrack	0 NBRR	6728	6748	7603	CM
			0 CODL	6960	6972	7603	CM
05-123-16962, PARKER RED D 23-4 NOBLE ENERGY INC	329169 NWNW 23 3N -64W (6) 40.216080, -104.525850	Sidetrack	Formation	Top	Bottom	TD	Status
			0 JSND	7359	7392	7420	AB
05-123-16963, PARKER RED D 23-5 NOBLE ENERGY INC	329170 SWNW 23 3N -64W (6) 40.212440, -104.525730	Sidetrack	Formation	Top	Bottom	TD	Status
			0 J-CDL	6968	7474	7575	CM
05-123-17001, PARKER BLUE D 23-3J NOBLE ENERGY INC	329202 NWSW 23 3N -64W (6) 40.209227, -104.524134	Sidetrack	0 CODL	6968	6982	7575	SI
			0 JSND	7434	7474	7575	SI
05-123-17002, PARKER BLUE D 23-10 NOBLE ENERGY INC	329203 NWSE 23 3N -64W (6) 40.208576, -104.514962	Sidetrack	Formation	Top	Bottom	TD	Status
			0 SX-CD	4350	4394	7127	PR
05-123-17003, PARKER BLUE D 23-11 NOBLE ENERGY INC	329204 NESW 23 3N -64W (6) 40.209702, -104.520117	Sidetrack	0 SUSX	4350	4394	7127	AB
			0 CODL	6951	6962	7127	SI
05-123-17004, PARKER BLUE D 23-14 NOBLE ENERGY INC	329205 SESE 23 3N -64W (6) 40.206140, -104.520399	Sidetrack	Formation	Top	Bottom	TD	Status
			0 CODL	6973	6985	7152	SI
05-123-17005, PARKER BLUE D 23-15 NOBLE ENERGY INC	329206 SWSE 23 3N -64W (6) 40.205059, -104.515709	Sidetrack	Formation	Top	Bottom	TD	Status
			0 NB-CD	6766	7003	7166	SI
05-123-17018, PARKER BLUE D 23-09 NOBLE ENERGY INC	329218 NESE 23 3N -64W (6) 40.208034, -104.510395	Sidetrack	0 SX-CD	4404	7003	7166	PR
			0 SUSX	4404	4453	7166	AB
			0 NBRR	6766	6876	7166	CM
			0 CODL	6990	7003	7166	CM
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6760	6998	7612	PR
			0 NB-CD	6760	6998	7612	CM
			0 SUSX	4428	4471	7612	AB
			0 NBRR	6760	6864	7612	CM
			0 CODL	6986	6998	7612	CM
			0 JSND	7452	7486	7612	TA
			Formation	Top	Bottom	TD	Status
			0 SX-CD	4409	6903	7080	SI
			0 SUSX	4354	4409	7080	AB
			0 CODL	6903	6916	7080	SI
			Formation	Top	Bottom	TD	Status
			0 NB-CD			7138	SI
			0 NBRR	6746	6830	7138	CM
			0 CODL	6962	6974	7138	CM
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6714	6962	7120	AB
			0 NBRR	6714	6734	7120	CM
			0 CODL	6948	6962	7120	CM
			Formation	Top	Bottom	TD	Status
			0 NB-CD	6684	6927	7080	SI
			0 SX-CD	4362	6927	7080	CM
			0 SUSX	4362	4387	7080	AB
			0 NBRR	6684	6698	7080	CM
			0 CODL	6914	6927	7080	CM
			Formation	Top	Bottom	TD	Status
			0 NB-CD			7042	SI
			0 NBRR	6642	6736	7042	CM

05-123-19914, GUTTERSEN 23-32 PDC ENERGY INC	330946 SWNE 23 3N -64W (6) 40.212720, -104.515390	Sidetrack	0 CODL Formation	6870 Top	6882 Bottom	7042 TD	CM Status
05-123-20019, GUTTERSEN 23-41 PDC ENERGY INC	331007 NENE 23 3N -64W (6) 40.216190, -104.511330	Sidetrack	0 CODL Formation	6906 Top	6916 Bottom	7259 TD	AB Status
			0 NB-CD	6644	6878	7122	SI
			0 NBRR	6644	6660	7122	CM
			0 CODL	6868	6878	7122	CM
05-123-20804, GUTTERSEN 42-23 NOBLE ENERGY INC	331505 SENE 23 3N -64W (6) 40.212600, -104.511340	Sidetrack	0 CODL Formation	6897 Top	6903 Bottom	7076 TD	PR Status
05-123-23003, GUTTERSEN 31-23 NOBLE ENERGY INC	305459 NWNW 23 3N -64W (6) 40.216250, -104.516100	Sidetrack	0 J-CDL				7576 CM
			0 NB-CD	6747	6972	7576	PR
			0 NBRR	6747	6851	7576	CM
			0 CODL	6962	6972	7576	CM
			0 JSND	7420	7460	7576	PR
05-123-28038, GUTTERSEN USX D 23-17 NOBLE ENERGY INC	302264 NWNE 23 3N -64W (6) 40.214449, -104.513882	Sidetrack	0 NB-CD Formation	6694 Top	6934 Bottom	7099 TD	PR Status
			0 NBRR	6694	6710	7099	CM
			0 CODL	6922	6934	7099	CM
05-123-33128, GUTTERSEN D 23-20 NOBLE ENERGY INC	422003 SWNW 23 3N -64W (6) 40.211320, -104.523220	Sidetrack	0 NB-CD Formation	6761 Top	6999 Bottom	7172 TD	SI Status
05-123-35462, GUTTERSEN D23-30D NOBLE ENERGY INC	329169 NWNW 23 3N -64W (6) 40.216020, -104.525700	Sidetrack					AL
05-123-48587, Guttersen D35-750 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205850, -104.520360	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48588, Guttersen D35-780 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205850, -104.520770	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48592, Guttersen D35-760 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205850, -104.520500	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48593, Guttersen D35-770 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205850, -104.520630	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48595, Guttersen State D23-771 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205440, -104.520640	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48596, Guttersen State D23-761 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205440, -104.520500	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48597, Guttersen State D23-781 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205440, -104.520770	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48598, Guttersen State D23-751 NOBLE ENERGY INC	458932 SESW 23 3N -64W (6) 40.205440, -104.520370	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48619, Guttersen D35-720 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.206100, -104.514290	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48620, Guttersen D35-730 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.206100, -104.514430	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48621, Guttersen State D23-721 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.205690, -104.514300	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48622, Guttersen D35-740 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.206100, -104.514560	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48623, Guttersen State D23-731 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.205690, -104.514430	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48624, Guttersen State D23-741 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.205690, -104.514570	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48843, Guttersen State D35-790 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.206100, -104.514160	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-48845, Guttersen D23-711 NOBLE ENERGY INC	458975 SWSE 23 3N -64W (6) 40.205690, -104.514170	Sidetrack	Formation	Top	Bottom	TD	Status XX
05-123-11016, L. F. RANCH 1-24 PDC ENERGY INC	319293 SWSW 24 3N -64W (6) 40.206330, -104.505690	Sidetrack	0 NB-CD Formation	6650 Top	6882 Bottom	7586 TD	SI Status
			0 DK-J	7326	7367	7586	CM

05-123-11199, Glazier 2-24 PDC ENERGY INC	319404 NENE 24 3N -64W (6) 40.214030, -104.493830	Sidetrack
05-123-15642, DALBEY D 24-10 NOBLE ENERGY INC	328170 NWSE 24 3N -64W (6) 40.208080, -104.496150	Sidetrack
05-123-16141, KARCH BLUE D 24-11 NOBLE ENERGY INC	328562 NESW 24 3N -64W (6) 40.209380, -104.501600	Sidetrack
05-123-16170, KARCH BLUE D 24-12 NOBLE ENERGY INC	328587 NWSW 24 3N -64W (6) 40.209437, -104.506582	Sidetrack
05-123-16171, KARCH BLUE D 24-14 NOBLE ENERGY INC	328588 SESW 24 3N -64W (6) 40.205280, -104.501230	Sidetrack
05-123-26445, GUTTERSEN 12-24 PDC ENERGY INC	310468 SWNW 24 3N -64W (6) 40.212610, -104.506610	Sidetrack
05-123-26446, GUTTERSEN 11-24 PDC ENERGY INC	310469 NWNW 24 3N -64W (6) 40.216250, -104.506530	Sidetrack
05-123-26457, GUTTERSEN 21-24 PDC ENERGY INC	310479 NENW 24 3N -64W (6) 40.216190, -104.501940	Sidetrack
05-123-26458, GUTTERSEN 24A PDC ENERGY INC	310480 NWNW 24 3N -64W (6) 40.214390, -104.504310	Sidetrack
05-123-26459, GUTTERSEN 22-24 PDC ENERGY INC	310481 SENW 24 3N -64W (6) 40.212890, -104.501890	Sidetrack
05-123-27028, KOERNER 31-24 PDC ENERGY INC	310818 NWNE 24 3N -64W (6) 40.216220, -104.497280	Sidetrack
05-123-27029, KOERNER 32-24 PDC ENERGY INC	310819 SWNE 24 3N -64W (6) 40.212670, -104.497330	Sidetrack
05-123-29190, Guttersen 24N PDC ENERGY INC	302472 NENW 24 3N -64W (6) 40.214580, -104.499860	Sidetrack
05-123-31639, Guttersen 24S PDC ENERGY INC	417312 NESE 24 3N -64W (6) 40.210670, -104.494780	Sidetrack
05-123-31806, Guttersen 24J PDC ENERGY INC	417990 NWNW 24 3N -64W (6) 40.217810, -104.503830	Sidetrack
05-123-31825, Guttersen 25E PDC ENERGY INC	418062 NWNW 25 3N -64W (6) 40.203420, -104.508030	Sidetrack
05-123-26063, HEYDE 41-26 PDC ENERGY INC	310196 NENE 26 3N -64W (6) 40.202360, -104.510920	Sidetrack

0 CODL	6872	6882	7586	CM
0 JSND	7344	7368	7586	AB
0 DKTA	7500	7586	7586	AB
Formation	Top	Bottom	TD	Status
0 NB-CD	6602	6825	7440	PR
0 JSND	7282	7318	7440	AB
Formation	Top	Bottom	TD	Status
0 JNBCD	6596	7307	7575	CM
0 NB-CD	6596	6842	7575	SI
0 NBRR	6596	6603	7575	CM
0 CODL	6822	6842	7575	CM
0 JSND	7282	7307	7575	PR
Formation	Top	Bottom	TD	Status
0 CODL	6826	6836	6991	AB
Formation	Top	Bottom	TD	Status
0 CODL	6859	6869	7023	AB
Formation	Top	Bottom	TD	Status
0 CODL	6834	6844	7025	PR
Formation	Top	Bottom	TD	Status
0 NB-CD	6712	6858	7014	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6621	6848	7013	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6588	6814	7720	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6617	6847	7013	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6611	6840	6985	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6598	6824	7021	PR
Formation	Top	Bottom	TD	Status
0 NB-CD	6578	6807	7455	PR
Formation	Top	Bottom	TD	Status
0 NB-CD	6603	6831	6970	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6578	6809	6970	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6601	6830	7006	SI
Formation	Top	Bottom	TD	Status
0 NB-CD	6650	6888	7060	AB
Formation	Top	Bottom	TD	Status
0 NB-CD	6658	6900	7554	PR