

Report Date: 8/9/2018

**Bedrock Aquifer Evaluation Determination Tool**

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

**Applicant:** PDC - Guttersen 33-21  
(API 123-26289)

**Reciept No:**

**Evaluated By:**

**Location:** NW 1/4 of SE 1/4 of Sec. 21, T.3N, R.64W. ( 1980 SSL, 1967 ESL)

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

**Ground Surface Elevation:** 4820 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
	<i>Bot</i>	<i>Top</i>		<i>Bot</i>	<i>Top</i>		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	--	--	--	--	--	--	--
Lower Arapahoe	--	--	--	--	--	--	--
Laramie-Fox Hills	4239	4560	171.2	581	260	41.09	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

API or Doc #

SB5 Base of Fox Hills

Deepest Water Well Within One Mile / number of wells

Deepest Water Well Within Two Miles / number of wells

Sussex / Shannon Production within one mile

Operator Existing Surface Casing Depth

Production Casing to be pulled

PDC

Guttersen 33-21 (API 123-26289)

581-260      L-FH

276'      /      2

420'      /      112

Y      /

698'

900'

Water Wells Selected From Map  
Filter Results by Depth

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=0446493C, Permit=0052853-F-FRONT RANGE FEEDLOTS	SESE 8 3 N-64W	0	0	0	GW
Receipt=9059159, Permit=0004261-F-FRONT RANGE FEEDLOTS LLC	SESE 8 3 N-64W	59	29	59	GW
Receipt=0035872A, Permit=0006573-R-R CHURCH OF JCLDS	SESW 8 3 N-64W	56	26	56	GW
Receipt=0045928, Permit=0045928-MH-HORTON FEED LOTS	SWSW 9 3 N-64W	420	0	0	KLF
Receipt=0251447, Permit=0007063-R-R FRONT RANGE FEEDLOTS LLC	SWSW 9 3 N-64W	66	30	66	GW
Receipt=9059792, Permit=0007063-R-GITTLEIN MIKE/MARGARET/TIM	SWSW 9 3 N-64W	61	0	0	GW
Receipt=0471714, Permit=0000000--GITTLEIN TIMOTHY J	SWSW 9 3 N-64W	0	0	0	KLF
Receipt=0446493B, Permit=0052855-F-FRONT RANGE FEEDLOTS	SWSW 9 3 N-64W	0	0	0	GW
Receipt=9060556, Permit=0011048--2 E RANCHES INC	SENW 15 3 N-64W	260	0	0	GW
Receipt=0446493A, Permit=0052854-F-FRONT RANGE FEEDLOTS	NENE 17 3 N-64W	0	0	0	GW
Receipt=3610283A, Permit=0000000--FRONT RANGE FEEDLOTS LLC	NENE 17 3 N-64W	0	0	0	QAL
Receipt=0058499, Permit=0003149-F-R FRONT RANGE FEEDLOTS, LLC	NENE 17 3 N-64W	0	0	0	GW
Receipt=9059000, Permit=0003149-F-FRONT RANGE FEEDLOTS LLC	SENE 17 3 N-64W	56	26	56	GW
Receipt=C620220, Permit=0000220-WCB-SELDIN E D	SWNE 17 3 N-64W	64	0	0	GW
Receipt=9059795, Permit=0007066-R-SELDIN E D	SWNE 17 3 N-64W	64	0	0	GW
Receipt=9059793, Permit=0007064-R-SELDIN E D	SENW 17 3 N-64W	64	0	0	GW
Receipt=9059791, Permit=0007062-R-CHURCH LATTER DAY SAINTS	SESW 17 3 N-64W	64	0	0	GW
Receipt=0489310A, Permit=0000000--CORP OF PRESIDING BISHOP OF THE CHURCH	SESW 17 3 N-64W	0	0	0	GW
Receipt=0489310B, Permit=0241989--CORP OF PRESIDING BISHOP OF THE CHURCH	SESW 17 3 N-64W	235	160	220	KLF
Receipt=9059790, Permit=0007061-R-SELDIN E D	SWSW 17 3 N-64W	0	0	0	GW
Receipt=3654573C, Permit=0000000--FRONT RANGE FEEDLOTS	NESE 18 3 N-64W	0	0	0	KLF

Receipt=0414255, Permit=0049768-F-FRONT RANGE FEEDLOTS LLC	NESE 18 3 N-64W	42	32	42 GW
Receipt=0433117, Permit=0052851-F-FRONT RANGE FEEDLOTS LLC	NESE 18 3 N-64W	0	0	0 GW
Receipt=0030558, Permit=0097133-VE-HORTON FEEDLOTS	NESE 18 3 N-64W	46	32	42 GW
Receipt=0046005, Permit=0046005-MH-HORTON TRENT	NESE 18 3 N-64W	360	0	0 GW
Receipt=0338730B, Permit=0041470-F-MILE HIGH TURKEY HATCHERY INC	SENE 19 3 N-64W	255	171	255 KLF
Receipt=0363138B, Permit=0043140-F-DECHANT ALVIN & SCOTT & TEN HAND TRUST	SENE 19 3 N-64W	255	171	255 KLF
Receipt=9059800, Permit=0007070-R-CORP CHURCH LAT DAY SAINTS	SENE 19 3 N-64W	65	0	0 GW
Receipt=9065061, Permit=0065686--TWO E RANCHES INC	SENE 19 3 N-64W	255	0	0 GW
Receipt=9059794, Permit=0007065-R-CORP CHURCH LAT DAY SAINTS	SESE 19 3 N-64W	60	0	0 GW
Receipt=C620856, Permit=0000856-WCB-SELDIN E D	20 3 N-64W	65	0	0 GW
Receipt=3647300, Permit=0284060--REVITTE MATTHEW J	NWNE 20 3 N-64W	45	0	0 GW
Receipt=0460329, Permit=0227141--PHELAN MICHAEL E	NENW 20 3 N-64W	0	0	0 KLF
Receipt=0496903, Permit=0244949--PHELAN MIKE	NENW 20 3 N-64W	400	180	400 GW
Receipt=3671811, Permit=0299324--GUTTERSON RANCHES LLC	NENW 20 3 N-64W	400	0	0 GW
Receipt=9062260, Permit=0015651-R-GUTTERSEN RANCHES LLC	SWNW 20 3 N-64W	56	0	0 GW
Receipt=0471572, Permit=0015651-R-R FRANKLIN HOWARD S	SWNW 20 3 N-64W	0	0	0 GW
Receipt=0255305A, Permit=0140011--TWO E RANCHES	SWSW 21 3 N-64W	0	0	0 GW
Receipt=0255305B, Permit=0140011--A TWO E RANCHES	SWSW 21 3 N-64W	276	176	276 GW
Receipt=9060555, Permit=0011047--2 E RANCHES INC	SESW 23 3 N-64W	392	0	0 GW
Receipt=0381792I, Permit=0186864--WASTE SERVICES CO	SWNW 26 3 N-64W	20	10	19 KL
Receipt=0024272, Permit=0024272-MH-WASTE SERVICE COMPANY	NWSW 26 3 N-64W	0	0	0 GW
Receipt=0381792D, Permit=0186848--WASTE SERVICES CO	SESW 26 3 N-64W	44	29	44 KL
Receipt=0381792E, Permit=0186849--WASTE SERVICES CO	SESW 26 3 N-64W	22	10	22 KL
Receipt=0001146A, Permit=1993072-AB-	SESW 26	0	0	0 GW

INDUSTRIAL COMPLIANCE	3 N-64W			
Receipt=0001167, Permit=1993093-AB-INDUSTRIAL COMPLIANCE	SESW 26	0	0	0 GW
	3 N-64W			
Receipt=0024159A, Permit=0024159-MH-WASTE SERVICE CO	SESW 26	0	0	0 GW
	3 N-64W			
Receipt=0024158, Permit=0024158-MH-WASTE SERVICE CO	SWSW 26	0	0	0 GW
	3 N-64W			
Receipt=0381792F, Permit=0186845--WASTE SERVICES CO	SWSW 26	72	52	72 KL
	3 N-64W			
Receipt=0381792G, Permit=0186846--WASTE SERVICES CO	SWSW 26	30	10	30 KL
	3 N-64W			
Receipt=0381792H, Permit=0186847--WASTE SERVICES CO	SWSW 26	44	33	43 KL
	3 N-64W			
Receipt=0025223A, Permit=0186844--WASTE SERVICES CO	SWSW 26	20	10	20 KL
	3 N-64W			
Receipt=0381792N, Permit=0186860--WASTE SERVICES CO	SENE 27	40	10	39 KL
	3 N-64W			
Receipt=0001136, Permit=1993063-AB-INDUSTRIAL COMPLIANCE	SENE 27	0	0	0 GW
	3 N-64W			
Receipt=0001137, Permit=1993064-AB-INDUSTRIAL COMPLIANCE	SWNE 27	0	0	0 GW
	3 N-64W			
Receipt=0381792M, Permit=0186859--WASTE SERVICES CO	SWNE 27	20	10	20 KL
	3 N-64W			
Receipt=0381792V, Permit=0186857--WASTE SERVICES CO	SENE 27	20	9	19 KL
	3 N-64W			
Receipt=0381792W, Permit=0186858--WASTE SERVICES CO	SENE 27	22	10	22 KL
	3 N-64W			
Receipt=0381792R, Permit=0186861--WASTE SERVICES CO	NESE 27	74	56	74 KL
	3 N-64W			
Receipt=0381792S, Permit=0186862--WASTE SERVICES CO	NESE 27	54	10	54 KL
	3 N-64W			
Receipt=0001143, Permit=1993070-AB-INDUSTRIAL COMPLIANCE	NESE 27	0	0	0 GW
	3 N-64W			
Receipt=0024271A, Permit=0024271-MH-WASTE SERVICE COMPANY	NESE 27	0	0	0 GW
	3 N-64W			
Receipt=0024269, Permit=0024269-MH-WASTE SERVICE COMPANY	NWSE 27	0	0	0 GW
	3 N-64W			
Receipt=0024270, Permit=0024270-MH-WASTE SERVICE COMPANY	NWSE 27	0	0	0 GW
	3 N-64W			
Receipt=0000081B, Permit=1993012-AB-INDUSTRIAL COMPLIANCE	NWSE 27	0	0	0 GW
	3 N-64W			
Receipt=0001110A, Permit=1993038-AB-INDUSTRIAL COMPLIANCE	NWSE 27	0	0	0 GW
	3 N-64W			
Receipt=0001138, Permit=1993065-AB-INDUSTRIAL COMPLIANCE	NWSE 27	0	0	0 GW
	3 N-64W			
Receipt=0001139A, Permit=1993066-AB-INDUSTRIAL COMPLIANCE	NWSE 27	0	0	0 GW
	3 N-64W			

Receipt=0001144, Permit=1993071-AB-INDUSTRIAL COMPLIANCE	SESE 27 3 N-64W	0	0	0 GW
Receipt=0024157A, Permit=0024157-MH-WASTE SERVICE CO	SESE 27 3 N-64W	0	0	0 GW
Receipt=0381792T, Permit=0186842--WASTE SERVICES CO	SESE 27 3 N-64W	49	33	40 KL
Receipt=0381792U, Permit=0186843--WASTE SERVICES CO	SESE 27 3 N-64W	30	10	30 KL
Receipt=0330192, Permit=0162253--GUTTERSEN & CO	SESE 27 3 N-64W	0	0	0 KLF
Receipt=0381792Z, Permit=0186839--WASTE SERVICES CO	SWSE 27 3 N-64W	63	48	63 KL
Receipt=0381792P, Permit=0186840--WASTE SERVICES CO	SWSE 27 3 N-64W	69	54	69 KL
Receipt=0381792Q, Permit=0186841--WASTE SERVICES CO	SWSE 27 3 N-64W	32	10	32 KL
Receipt=0025223B, Permit=0186838--WASTE SERVICES CO	SWSE 27 3 N-64W	17	10	16 KL
Receipt=0024156, Permit=0024156-MH-WASTE SERVICE CO	SWSE 27 3 N-64W	0	0	0 GW
Receipt=0001159, Permit=1993085-AB-INDUSTRIAL COMPLIANCE	SWSE 27 3 N-64W	0	0	0 GW
Receipt=0001154, Permit=1993080-AB-INDUSTRIAL COMPLIANCE	SWSE 27 3 N-64W	0	0	0 GW
Receipt=0024267, Permit=0024267-MH-WASTE SERVICE COMPANY	NESW 27 3 N-64W	0	0	0 GW
Receipt=0024268A, Permit=0024268-MH-WASTE SERVICE COMPANY	NESW 27 3 N-64W	0	0	0 GW
Receipt=0381792O, Permit=0186856--WASTE SERVICES CO	NESW 27 3 N-64W	40	10	39 KL
Receipt=0381792X, Permit=0186855--WASTE SERVICES CO	SESW 27 3 N-64W	59	10	59 KL
Receipt=0381792Y, Permit=0186854--WASTE SERVICES CO	SESW 27 3 N-64W	30	9	29 KL
Receipt=0024265, Permit=0024265-MH-WASTE SERVICE COMPANY	SESW 27 3 N-64W	0	0	0 GW
Receipt=0024266, Permit=0024266-MH-WASTE SERVICE COMPANY	SESW 27 3 N-64W	0	0	0 GW
Receipt=0024155A, Permit=0024155-MH-WASTE SERVICE CO	SESW 27 3 N-64W	0	0	0 GW
Receipt=0371011, Permit=0022932--A GUTTERSON & COMPANY	NWNE 29 3 N-64W	59	39	59 GW
Receipt=9062959, Permit=0022932--TWO E RANCH	NWNE 29 3 N-64W	54	35	54 GW
Receipt=0016240, Permit=0016240-MH-METRO DENVER SEWAGE DISTRICT	NE 30 3 N-64W	0	0	0 GW
Receipt=9060553, Permit=0011045--	NWNW 33	372	0	0 GW

2 E RANCHES INC	3 N-64W			
Receipt=0024154A, Permit=0024154-MH-WASTE SERVICE CO	NWNE 34	0	0	0 GW
	3 N-64W			
Receipt=0001155, Permit=1993081-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0001132A, Permit=1993059-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0052946, Permit=0052946-MH-WASTEMANAGEMENT OF COLORADO	SWNE 34	0	0	0 KL
	3 N-64W			
Receipt=0381792, Permit=0186836--WASTE SERVICES CO	NENW 34	75	54	75 KL
	3 N-64W			
Receipt=0381792A, Permit=0186837--WASTE SERVICES CO	NENW 34	22	10	22 KL
	3 N-64W			
Receipt=0381792B, Permit=0186863--WASTE SERVICES CO	NENW 34	22	10	22 GW
	3 N-64W			
Receipt=0024264, Permit=0024264-MH-WASTE SERVICE COMPANY	NENW 34	0	0	0 GW
	3 N-64W			
Receipt=0024263A, Permit=0024263-MH-WASTE SERVICE COMPANY	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0001140A, Permit=1993067-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0001157, Permit=1993083-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0001163, Permit=1993089-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0001172A, Permit=1993098-AB-INDUSTRIAL COMPLIANCE	SENE 34	0	0	0 GW
	3 N-64W			
Receipt=0381792C, Permit=0186853--WASTE SERVICES CO	SENE 34	29	10	29 GW
	3 N-64W			
Receipt=3667444A, Permit=0296364--WASTE MANAGEMENT OF COLORADO INC	SENE 34	45	35	45 KL
	3 N-64W			
Receipt=0329872A, Permit=0162218--GUTTERSEN & CO	NWSE 34	65	0	0 GW
	3 N-64W			
Receipt=0329872B, Permit=0162218--A GUTTERSEN & CO 2-E RANCH	NWSE 34	40	20	40 GW
	3 N-64W			
Receipt=0052947, Permit=0052947-MH-WASTEMANAGEMENT OF COLORADO	NESW 34	0	0	0 KL
	3 N-64W			
Receipt=0001141A, Permit=1993068-AB-INDUSTRIAL COMPLIANCE	NESW 34	0	0	0 GW
	3 N-64W			
Receipt=3667444B, Permit=0296365--WASTE MANAGEMENT OF COLORADO INC	NESW 34	48	38	48 KL
	3 N-64W			

# Oil and Gas Wells Selected

## Filter Results by Formation

WELL DESCRIPTION	LOCATION ID	LOCATION	WELL INFORMATION		TD	Formation	Status
05-123-11808, TWO E RANCH 1-15B PDC ENERGY INC	322646	SWSW 15 3N -64W (6) 40.220830, -104.543140	Sidetrack		0	7550 CODL	CM
					0	7550 JNCSX	CM
					0	7550 JSND	AB
					0	7550 NB-CD	SI
					0	7550 NBRR	CM
					0	7550 SUSX	AB
05-123-16289, CALLY BLUE D 15-14 NOBLE ENERGY INC	328674	SESW 15 3N -64W (6) 40.219570, -104.539350	Sidetrack		TD	Formation	Status
					0	7130 CODL	PR
					0	7130 SUSX	TA
					0	7130 SX-CD	PR
05-123-33204, GUTTERSEN D 22-28 NOBLE ENERGY INC	422249	SESW 15 3N -64W (6) 40.218410, -104.537550	Sidetrack		TD	Formation	Status
					0	7170 NB-CD	PR
05-123-07642, SPIKE STATE GWS D 16-13J NOBLE ENERGY INC	317718	SWSW 16 3N -64W (6) 40.221670, -104.561090	Sidetrack		TD	Formation	Status
					0	7575 CODL	PR
					0	7575 JSND	PA
					0	7575 SUSX	AB
					0	7575 SX-CD	PR
05-123-15915, SPIKE ST GWS D 16-14 NOBLE ENERGY INC	328379	SESW 16 3N -64W (6) 40.219420, -104.558340	Sidetrack		TD	Formation	Status
					0	7134 CODL	SI
					0	7134 SUSX	SI
					0	7134 SX-CD	SI
05-123-15916, SPIKE ST GWS D 16-15 NOBLE ENERGY INC	311375	SWSE 16 3N -64W (6) 40.220010, -104.554050	Sidetrack		TD	Formation	Status
					0	7190 CODL	AB
					0	7190 SUSX	AB
05-123-15917, SPIKE ST GWS D 16-16 NOBLE ENERGY INC	328380	SESE 16 3N -64W (6) 40.219950, -104.549080	Sidetrack		TD	Formation	Status
					0	7120 CODL	SI
					0	7120 SUSX	SI
					0	7120 SX-CD	SI
05-123-22251, DIGGIN STATE D 16-13 NOBLE ENERGY INC	332404	SWSW 16 3N -64W (6) 40.219951, -104.563248	Sidetrack		TD	Formation	Status
					0	7608 JNBCD	CM
					0	7608 JSND	PR
					0	7608 NB-CD	PR
05-123-23714, DIGGIN STATE D 16-23 NOBLE ENERGY INC	305935	NWSE 16 3N -64W (6) 40.221883, -104.551523	Sidetrack		TD	Formation	Status
					0	7611 CODL	SI
05-123-29243, GUTTERSEN STATE D 16-24 NOBLE ENERGY INC	302501	NESW 16 3N -64W (6) 40.221890, -104.556433	Sidetrack		TD	Formation	Status
					0	7594 CODL	CM
					0	7594 JNBCD	CM
					0	7594 JSND	SI
					0	7594 NB-CD	SI
					0	7594 NBRR	CM
05-123-29244, GUTTERSEN STATE D 16-15X NOBLE ENERGY INC	311517	SWSE 16 3N -64W (6) 40.220314, -104.554180	Sidetrack		TD	Formation	Status
					0	7597 JNBRR	CM
					0	7597 JSND	SI
					0	7597 N-COM	PR
					0	7597 NBRR	SI
05-123-30750, GUTTERSEN STATE D 15-33 NOBLE ENERGY INC	414450	SESE 16 3N -64W (6) 40.221700, -104.547080	Sidetrack		TD	Formation	Status
					0	7142 CODL	CM
					0	7142 NB-CD	SI
					0	7142 NBRR	CM

05-123-32821, SPIKE STATE D 16-99HZ NOBLE ENERGY INC	414450 NESE 16 3N -64W (6) 40.221840, -104.547080	Sidetrack	TD	Formation	Status
			0	11167 NBRR	PR
05-123-35204, GUTTERSEN STATE D16-63-1HN NOBLE ENERGY INC	414450 SESE 16 3N -64W (6) 40.221580, -104.547090	Sidetrack	TD	Formation	Status
			0	11243 NBRR	PR
05-123-15480, DUNCAN D 20-10 NOBLE ENERGY INC	328052 NWSE 20 3N -64W (6) 40.208040, -104.571520	Sidetrack	TD	Formation	Status
			0	7584 JNCSX	SI
			0	7584 JSND	SI
			0	7584 NB-CD	SI
			0	7584 SUSX	SI
05-123-15648, DUNCAN D 20-16 NOBLE ENERGY INC	328176 SESE 20 3N -64W (6) 40.205220, -104.567360	Sidetrack	TD	Formation	Status
			0	7137 CODL	CM
			0	7137 NB-CD	SI
			0	7137 NBCSX	SI
			0	7137 NBRR	CM
			0	7137 SUSX	SI
05-123-15694, DUNCAN D 20-1 KERR MCGEE OIL & GAS ONSHORE LP	328204 NENE 20 3N -64W (6) 40.216580, -104.567540	Sidetrack	TD	Formation	Status
			0	JSND	AB
			0	NB-CD	AB
			0	NBCSX	AB
			0	SUSX	AB
05-123-15719, DUNCAN D 20-7 NOBLE ENERGY INC	328219 SWNE 20 3N -64W (6) 40.213600, -104.571580	Sidetrack	TD	Formation	Status
			0	7775 JNCSX	PR
			0	7775 JSND	SI
			0	7775 NB-CD	PR
			0	7775 SUSX	SI
05-123-16007, DUNCAN D 20-8 NOBLE ENERGY INC	328452 SENE 20 3N -64W (6) 40.212410, -104.567880	Sidetrack	TD	Formation	Status
			0	7151 NB-CD	AB
			0	7151 NBCSX	AB
			0	7151 SUSX	AB
05-123-16406, DUNCAN D 20-9 NOBLE ENERGY INC	328768 NESE 20 3N -64W (6) 40.208960, -104.567460	Sidetrack	TD	Formation	Status
			0	7125 CODL	CM
			0	7125 NB-CD	AB
			0	7125 NBCSX	AB
			0	7125 NBRR	CM
			0	7125 SUSX	AB
05-123-12186, TWO E RANCH 1-21C PDC ENERGY INC	322866 SESE 21 3N -64W (6) 40.207310, -104.550500	Sidetrack	TD	Formation	Status
			0	7559 CODL	CM
			0	7559 JCDSX	SI
			0	7559 JSND	AB
			0	7559 NB-CD	SI
			0	7559 NBRR	CM
			0	7559 SUSX	AB
05-123-16955, CASEY BLUE D21-11 NOBLE ENERGY INC	329162 NESW 21 3N -64W (6) 40.209390, -104.558630	Sidetrack	TD	Formation	Status
			0	7159 CODL	PR
			0	7159 NB-CD	PR
05-123-16956, CASEY BLUE D 21-13 NOBLE ENERGY INC	329163 SWSW 21 3N -64W (6) 40.205310, -104.563350	Sidetrack	TD	Formation	Status
			0	7158 CODL	PR
			0	7158 N-COM	PR
			0	7158 SUSX	PR
			0	7158 SX-CD	PR
05-123-16957, CASEY BLUE D 21-3J NOBLE ENERGY INC	329164 NWSW 21 3N -64W (6) 40.208190, -104.562450	Sidetrack	TD	Formation	Status
			0	7622 CODL	PR
			0	7622 N-COM	PR
			0	7622 NBRR	CM



05-123-16964, CASEY BLUE D 21-14 NOBLE ENERGY INC	329171 SESW 21 3N -64W (6) 40.205520, -104.558280	Sidetrack	0 7622 SUSX	PR
			0 7622 SX-CD	CM
05-123-18197, HSR-GUTTERSEN 5-21 NOBLE ENERGY INC	330013 SWNW 21 3N -64W (6) 40.212749, -104.563223	Sidetrack	TD Formation	Status
			0 7178 CODL	CM
05-123-18198, HSR-GUTTERSEN 6-21 NOBLE ENERGY INC	330014 SENW 21 3N -64W (6) 40.212742, -104.558531	Sidetrack	0 7178 NB-CD	PR
			0 7178 NBRR	CM
05-123-18199, HSR-GUTTERSEN 3-21 NOBLE ENERGY INC	330015 NENW 21 3N -64W (6) 40.216315, -104.558493	Sidetrack	TD Formation	Status
			0 7152 NB-CD	PR
05-123-18200, HSR-GUTTERSEN 4-21 NOBLE ENERGY INC	330016 NWNW 21 3N -64W (6) 40.216354, -104.563189	Sidetrack	0 7152 NBCSX	CM
			0 7152 SUSX	PR
05-123-19913, GUTTERSEN 21-31 PDC ENERGY INC	330945 NWNE 21 3N -64W (6) 40.216310, -104.553780	Sidetrack	TD Formation	Status
			0 7142 NB-CD	SI
05-123-19915, GUTTERSEN 21-42 PDC ENERGY INC	330947 SENE 21 3N -64W (6) 40.212690, -104.549140	Sidetrack	TD Formation	Status
			0 7148 NB-CD	SI
05-123-20803, GUTTERSEN 41-21 NOBLE ENERGY INC	409614 NENE 21 3N -64W (6) 40.216340, -104.549130	Sidetrack	0 7148 NBCSX	SI
			0 7148 SUSX	SI
05-123-22886, GUTTERSEN 18-21 NOBLE ENERGY INC	305378 NENW 21 3N -64W (6) 40.214720, -104.560470	Sidetrack	TD Formation	Status
			0 7150 NB-CD	PR
05-123-23002, GUTTERSEN 32-21 NOBLE ENERGY INC	305458 SWNE 21 3N -64W (6) 40.212570, -104.553900	Sidetrack	0 7150 NBCSX	PR
			0 7150 SUSX	PR
05-123-26280, GUTTERSEN 34-21 PDC ENERGY INC	310347 SWSE 21 3N -64W (6) 40.205470, -104.553940	Sidetrack	TD Formation	Status
			0 7186 CODL	SI
05-123-26288, GUTTERSEN 43-21 PDC ENERGY INC	310354 NESE 21 3N -64W (6) 40.209030, -104.549420	Sidetrack	TD Formation	Status
			0 7197 CODL	SI
05-123-26289, GUTTERSEN 33-21 PDC ENERGY INC	310355 NWSE 21 3N -64W (6) 40.209110, -104.553920	Sidetrack	TD Formation	Status
			0 7583 JNBCD	CM
05-123-34835, GUTTERSEN STATE USX D22-30D NOBLE ENERGY INC	427060 NENE 21 3N -64W (6) 40.214700, -104.551240	Sidetrack	0 7583 JSND	PR
			0 7583 NB-CD	PR
05-123-34836, GUTTERSEN STATE USX D21-27D NOBLE ENERGY INC	427060 NENE 21 3N -64W (6) 40.214660, -104.551290	Sidetrack	TD Formation	Status
			0 7171 CODL	CM
05-123-34844, GUTTERSEN USX D21-17	427060 NENE 21 3N -64W (6)	Sidetrack	0 7171 NB-CD	SI
			0 7171 NBRR	CM
			TD Formation	Status
			0 7632 CODL	CM
			0 7632 J-CDL	CM
			0 7632 JNBCD	CM
			0 7632 JSND	TA
			0 7632 NB-CD	PR
			0 7632 NBRR	CM
			TD Formation	Status
			0 7185 NB-CD	SI
			TD Formation	Status
			0 7645 NB-CD	SI
			TD Formation	Status
			0 7217 NB-CD	SI
			TD Formation	Status
			0 7445 CODL	CM
			0 7445 NB-CD	PR
			0 7445 NBRR	CM
			TD Formation	Status
			0 7354 CODL	CM
			0 7354 NB-CD	PR
			0 7354 NBRR	CM
			TD Formation	Status

NOBLE ENERGY INC	40.214610, -104.551350		0 7178 CODL	CM
			0 7178 NB-CD	PR
			0 7178 NBRR	CM
05-123-34850, GUTTERSEN STATE USX D21-28D	427060 NENE 21 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.214570, -104.551400		0 7992 CODL	CM
			0 7992 JNBCD	CM
			0 7992 JSND	PR
			0 7992 NB-CD	PR
			0 7992 NBRR	CM
			TD Formation	Status
05-123-35205, GUTTERSEN USX D 21-21D	428053 NESW 21 3N -64W (6)	Sidetrack	0 7835 CODL	CM
NOBLE ENERGY INC	40.207400, -104.559560		0 7835 JNBCD	CM
			0 7835 JSND	PR
			0 7835 NB-CD	PR
			0 7835 NBRR	CM
			TD Formation	Status
05-123-35206, GUTTERSEN USX D 21-33D	428053 NESW 21 3N -64W (6)	Sidetrack	0 7990 CODL	CM
NOBLE ENERGY INC	40.207510, -104.559750		0 7990 JNBCD	CM
			0 7990 JSND	PR
			0 7990 NB-CD	PR
			0 7990 NBRR	CM
			TD Formation	Status
05-123-35208, GUTTERSEN USX D 21-24D	428053 NESW 21 3N -64W (6)	Sidetrack	0 7285 CODL	CM
NOBLE ENERGY INC	40.207360, -104.559500		0 7285 NB-CD	PR
			0 7285 NBRR	CM
			TD Formation	Status
05-123-35211, GUTTERSEN USX D 21-20D	428053 NESW 21 3N -64W (6)	Sidetrack	0 7358 CODL	CM
NOBLE ENERGY INC	40.207440, -104.559620		0 7358 NB-CD	PR
			0 7358 NBRR	CM
			TD Formation	Status
05-123-35212, GUTTERSEN D 21-32D	428053 NESW 21 3N -64W (6)	Sidetrack	0 8025 CODL	CM
NOBLE ENERGY INC	40.207560, -104.559810		0 8025 JNBCD	CM
			0 8025 JSND	PR
			0 8025 NB-CD	PR
			0 8025 NBRR	CM
			TD Formation	Status
05-123-35213, GUTTERSEN USX D 21-25	428053 NESW 21 3N -64W (6)	Sidetrack	0 7232 CODL	CM
NOBLE ENERGY INC	40.207480, -104.559680		0 7232 NB-CD	PR
			0 7232 NBRR	CM
			TD Formation	Status
05-123-07660, SPIKE STATE GWS D 22-1J	317726 SWNE 22 3N -64W (6)	Sidetrack	0 7580 CODL	PA
NOBLE ENERGY INC	40.214398, -104.533368		0 7580 JSND	AB
			0 7580 SUSX	AB
			TD Formation	Status
05-123-15647, DALBEY D 22-5	328175 SWNW 22 3N -64W (6)	Sidetrack	0 7125 CODL	CM
NOBLE ENERGY INC	40.212520, -104.544780		0 7125 NB-CD	SI
			0 7125 NBCSX	SI
			0 7125 NBRR	CM
			0 7125 SUSX	SI
			TD Formation	Status
05-123-15669, DALBEY D 22-6	328191 SENW 22 3N -64W (6)	Sidetrack	0 7786 DKTA	TA
NOBLE ENERGY INC	40.213590, -104.540950		0 7786 JNCSX	CM
			0 7786 JSND	SI
			0 7786 NB-CD	SI

05-123-15766, DALBEY D 22-3 NOBLE ENERGY INC	328256 NENW 22 3N -64W (6) 40.216650, -104.539180	Sidetrack	0 7786 SUSX TD Formation Status 0 7092 NB-CD SI 0 7092 NBCSX SI 0 7092 SUSX SI
05-123-15957, DALBEY D 22-4 NOBLE ENERGY INC	328411 NWNW 22 3N -64W (6) 40.216560, -104.544690	Sidetrack	TD Formation Status 0 7110 CODL CM 0 7110 NB-CD PR 0 7110 NBCSX PR 0 7110 NBRR CM 0 7110 SUSX PA
05-123-16063, SPIKE ST GWS D 22-02 NOBLE ENERGY INC	328499 NWNE 22 3N -64W (6) 40.216780, -104.535588	Sidetrack	TD Formation Status 0 7130 CODL SI 0 7130 SUSX PR 0 7130 SX-CD PR
05-123-16064, SPIKE ST GWS D 22-07 NOBLE ENERGY INC	328500 SWNE 22 3N -64W (6) 40.212213, -104.535707	Sidetrack	TD Formation Status 0 7200 CODL SI 0 7200 SUSX TA 0 7200 SX-CD SI
05-123-16067, SPIKE ST GWS D 22-10 NOBLE ENERGY INC	328502 NWSE 22 3N -64W (6) 40.209102, -104.535654	Sidetrack	TD Formation Status 0 7154 CODL AB 0 7154 SUSX AB 0 7154 SX-CD AB
05-123-16068, SPIKE ST GWS D 22-4J NOBLE ENERGY INC	328503 SESE 22 3N -64W (6) 40.206324, -104.531528	Sidetrack	TD Formation Status 0 7610 CODL SI 0 7610 JCDSX PR 0 7610 JSND PR 0 7610 SUSX TA
05-123-16069, SPIKE ST GWS D 22-15 NOBLE ENERGY INC	328504 SWSE 22 3N -64W (6) 40.205450, -104.535347	Sidetrack	TD Formation Status 0 7159 CODL SI 0 7159 SUSX PR 0 7159 SX-CD PR
05-123-17311, O'SH D 22-13 NOBLE ENERGY INC	329413 SWSW 22 3N -64W (6) 40.205160, -104.545120	Sidetrack	TD Formation Status 0 7150 NB-CD PR 0 7150 NBCSX PR 0 7150 SUSX PR
05-123-17312, O'SH D 22-14 NOBLE ENERGY INC	329414 SESW 22 3N -64W (6) 40.205270, -104.539580	Sidetrack	TD Formation Status 0 7166 NB-CD PR 0 7166 NBCSX PR 0 7166 SUSX PR
05-123-17313, O'SH D 22-12 NOBLE ENERGY INC	329415 NWSW 22 3N -64W (6) 40.209440, -104.544910	Sidetrack	TD Formation Status 0 7138 NB-CD SI 0 7138 NBCSX SI 0 7138 SUSX SI
05-123-17314, O'SH D 22-11 NOBLE ENERGY INC	329416 NESW 22 3N -64W (6) 40.208410, -104.540830	Sidetrack	TD Formation Status 0 7626 NB-CD SI 0 7626 NBCSX SI 0 7626 SUSX SI
05-123-32941, GUTTERSEN D 22-18 NOBLE ENERGY INC	421516 NWNE 22 3N -64W (6) 40.214510, -104.537050	Sidetrack	TD Formation Status 0 7171 NB-CD SI
05-123-32997, GUTTERSEN STATE D22-22 NOBLE ENERGY INC	421644 NWSE 22 3N -64W (6) 40.210670, -104.532670	Sidetrack	TD Formation Status 0 7639 JSND SI 0 7639 NB-CD SI
05-123-32998, GUTTERSEN STATE D22-24	421671 SWSE 22 3N -64W (6)	Sidetrack	TD Formation Status

NOBLE ENERGY INC	40.207240, -104.537160		0 7631 JNBCD	CM
			0 7631 JSND	SI
			0 7631 NB-CD	SI
05-123-16535, KYLE WHITE D 27-2	328866 NWNE 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.202129, -104.535273		0 7184 CODL	SI
			0 7184 SUSX	TA
			0 7184 SX-CD	SI
05-123-16624, CAMOLO RED D 27-2J	328920 NENW 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.200910, -104.541030		0 7645 JNCSX	SI
			0 7645 JSND	SI
			0 7645 NB-CD	SI
			0 7645 SUSX	SI
05-123-17006, CAMOLO RED D 27-4	329207 NWNW 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.202000, -104.544840		0 7188 CODL	CM
			0 7188 NB-CD	SI
			0 7188 NBRR	CM
			0 7188 SUSX	AB
			0 7188 SX-CD	CM
05-123-17007, CAMOLO RED D 27-5	329208 SWNW 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.198270, -104.544380		0 7206 CODL	SI
			0 7206 SUSX	SI
			0 7206 SX-CD	SI
05-123-17008, CAMOLO RED D 27-6	329209 SENW 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.198400, -104.539900		0 7195 CODL	SI
			0 7195 SUSX	AB
			0 7195 SX-CD	SI
05-123-17010, CAMOLO RED D 27-12	329210 NWSW 27 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.194620, -104.544460		0 7216 CODL	CM
			0 7216 NB-CD	SI
			0 7216 NBRR	CM
			0 7216 SUSX	AB
			0 7216 SX-CD	CM
05-123-07617, SPIKE STATE GWS D 28-13J	317709 SWSW 28 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.192650, -104.560860		0 7615 CODL	SI
			0 7615 J-CDL	CM
			0 7615 JSND	SI
05-123-15987, SPIKE ST. GWS D 28-03	328437 NENW 28 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.202220, -104.558250		0 7167 CODL	AB
			0 7167 SUSX	AB
			0 7167 SX-CD	AB
05-123-15988, SPIKE STATE GWS D 28-4	328438 NWNW 28 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.202390, -104.563360		0 7601 CODL	PR
			0 7601 J-CDL	CM
			0 7601 JSND	SI
			0 7601 SUSX	SI
			0 7601 SX-CD	CM
05-123-15989, SPIKE ST. GWS D 28-05	328439 SWNW 28 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.198670, -104.563960		0 7178 CODL	PR
			0 7178 SUSX	SI
			0 7178 SX-CD	PR
05-123-15990, SPIKE STATE GWS D 28-6	328440 SENW 28 3N -64W (6)	Sidetrack	TD Formation	Status
NOBLE ENERGY INC	40.198530, -104.557850		0 7600 CODL	SI
			0 7600 J-CDL	CM
			0 7600 JSND	SI

05-123-15991, SPIKE ST. GWS D 28-11 NOBLE ENERGY INC	328441 NESW 28 3N -64W (6) 40.195180, -104.557980	Sidetrack	0 7600 SUSX	SI
			0 7600 SX-CD	CM
05-123-15992, SPIKE ST. GWS D 28-12 NOBLE ENERGY INC	328442 NWSW 28 3N -64W (6) 40.194610, -104.563960	Sidetrack	TD Formation	Status
			0 7203 CODL	SI
05-123-17185, O'SH D 28-1 NOBLE ENERGY INC	329329 NENE 28 3N -64W (6) 40.200907, -104.550491	Sidetrack	0 7203 SUSX	SI
			0 7203 SX-CD	SI
05-123-17186, O'SH D 28-2 NOBLE ENERGY INC	329330 NWNE 28 3N -64W (6) 40.201896, -104.553984	Sidetrack	TD Formation	Status
			0 7198 CODL	SI
05-123-17187, O'SH D 28-7 FREEDOM ENERGY INC	408860 SWNE 28 3N -64W (6) 40.198268, -104.554013	Sidetrack	TD Formation	Status
			0 7145 NB-CD	AB
05-123-17188, O'SH D 28-8 NOBLE ENERGY INC	329331 SENE 28 3N -64W (6) 40.198236, -104.549289	Sidetrack	TD Formation	Status
			0 7341 NB-CD	SI
05-123-19168, HSR-GUTTERSEN-STATE 7-28 NOBLE ENERGY INC	330477 SWNE 28 3N -64W (6) 40.198468, -104.554694	Sidetrack	0 7341 NBCSX	SI
			0 7341 SUSX	SI
05-123-19169, HSR-GUTTERSEN-STATE 9-28 HS RESOURCES INC	409335 NESE 28 3N -64W (6) 40.194488, -104.548953	Sidetrack	TD Formation	Status
			0 7147 CODL	CM
05-123-19170, HSR-GUTTERSEN-STATE 10-28 NOBLE ENERGY INC	330478 NWSE 28 3N -64W (6) 40.194880, -104.554739	Sidetrack	0 7147 NB-CD	SI
			0 7147 NBCSX	PR
05-123-25096, Spike State D 28-19 NOBLE ENERGY INC	306669 NENW 28 3N -64W (6) 40.200171, -104.560914	Sidetrack	0 7147 SUSX	PR
			TD Formation	Status
05-123-29081, Guttersen State D 28-20 NOBLE ENERGY INC	302405 SENW 28 3N -64W (6) 40.196620, -104.560799	Sidetrack	0 7633 CODL	CM
			0 7633 JNBCD	CM
05-123-34353, GUTTERSEN D STATE 28-30D NOBLE ENERGY INC	328438 NWNW 28 3N -64W (6) 40.202460, -104.563220	Sidetrack	0 7633 JSND	PR
			0 7633 NB-CD	PR
05-123-34385, GUTTERSEN D STATE 28-29D NOBLE ENERGY INC	328438 NWNW 28 3N -64W (6) 40.202500, -104.563160	Sidetrack	TD Formation	Status
			0 7248 NB-CD	PR
05-123-35120, Guttersen State D28-18D NOBLE ENERGY INC	328437 NENW 28 3N -64W (6) 40.202380, -104.558250	Sidetrack	TD Formation	Status
			0 7255 CODL	CM
05-123-35121, Guttersen State D28-28D NOBLE ENERGY INC	328437 NENW 28 3N -64W (6) 40.202410, -104.558260	Sidetrack	0 7255 NB-CD	PR
			0 7255 NBRR	CM
			TD Formation	Status
			0 7265 CODL	CM

05-123-35368, GUTTERSEN STATE D28-24D NOBLE ENERGY INC	328441	NESW 28 3N -64W (6) 40.195020, -104.557880	Sidetrack	0	7265	NB-CD	PR
				0	7265	NBRR	CM
				TD	Formation	Status	
				0	7275	CODL	CM
05-123-35369, GUTTERSEN STATE D28-21D NOBLE ENERGY INC	328441	NESW 28 3N -64W (6) 40.195070, -104.557920	Sidetrack	0	7275	NB-CD	SI
				0	7275	NBRR	CM
				TD	Formation	Status	
				0	7250	CODL	CM
05-123-16415, KATE WHITE D 29-1 NOBLE ENERGY INC	328775	NENE 29 3N -64W (6) 40.201960, -104.567840	Sidetrack	0	7250	NB-CD	SI
				0	7250	NBRR	CM
				TD	Formation	Status	
				0	7186	CODL	PR
05-123-16417, KATE WHITE D 29-8 NOBLE ENERGY INC	328777	SENE 29 3N -64W (6) 40.198130, -104.567810	Sidetrack	0	7186	NB-CD	SI
				0	7186	SUSX	SI
				0	7186	SX-CD	PR
				TD	Formation	Status	
05-123-18299, JESSIE D 29-1J NOBLE ENERGY INC	330058	NWNE 29 3N -64W (6) 40.200880, -104.571530	Sidetrack	0	7622	CODL	PR
				0	7622	JSND	SI
				TD	Formation	Status	
				0	7617	CODL	PR
				0	7617	JCDSX	PR
				0	7617	JSND	PR
				0	7617	NB-CD	PR
				0	7617	NBRR	CM
				0	7617	SUSX	SI