

68

DATA SHEET FOR GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Energen Resources

API #s if associated with a Well/s 3004525006

Location: Unit Letter O Sec 27 Twp 30 Rng 13 Footages 950 N/S, 1725 E/W

Latitude: 36.77952 Longitude: -108.18942

Name of Well/Wells or Pipeline Serviced: McCord #5E

Elevation: 5740 Completion Date: 4/24/12 Total Depth 300 Land Type *: SF 078214

Types of Drilling performed: Air, Mud, Combination, Other, describe.

Casing, Sizes, Type, Grade, Weight and Depth Set _____

SEE ATTACHED DRILLING LOG AND LOCATION LAYOUT

If Casing is cemented show amounts and types used: _____

Vent Pipe size and depth _____ Perforations _____

If Cement or Bentonite Plugs have been placed, show depths and amounts used:

Description of the water formations encountered to include depth, thickness and water type. Fresh, Clear Salty, Sulfur etc:

PH of water zones encountered:

Top of moisture zones not associated with a water formation:

RCVD MAY 18 '12

OIL CONS. DIV.

DIST. 3

Depths gas encountered:

Type and amount of coke breeze used:

Number and Depths of anodes:

Diagram showing location of Cathodic protection well and associated oil/gas well.

Remarks:

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers log, water analysis & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

*Land Type may be shows: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add lease number

TIERRA CORROSION CONTROL, INC.
DRILLING LOG

DATE: 4/24/12
COMPANY: Energen
LOCATION: McCord 5E
LEGALS: S27 T30N R13W
COUNTY: San Juan
STATE: NM

DRILLER: Eugene Silago
BIT SIZE: 7 7/8
CASING SIZE/TYPE: 8"x20" PVC
DEPTH: 300'
VENT PIPE 300'
PERF PIPE: 160'

ANODE TYPE: 2"x60" Duiron
ANODE AMOUNT: 15
LBS COKE BACKFILL: 3000lbs
COKE TYPE: Loresco SW
BOULDER DRILLING:

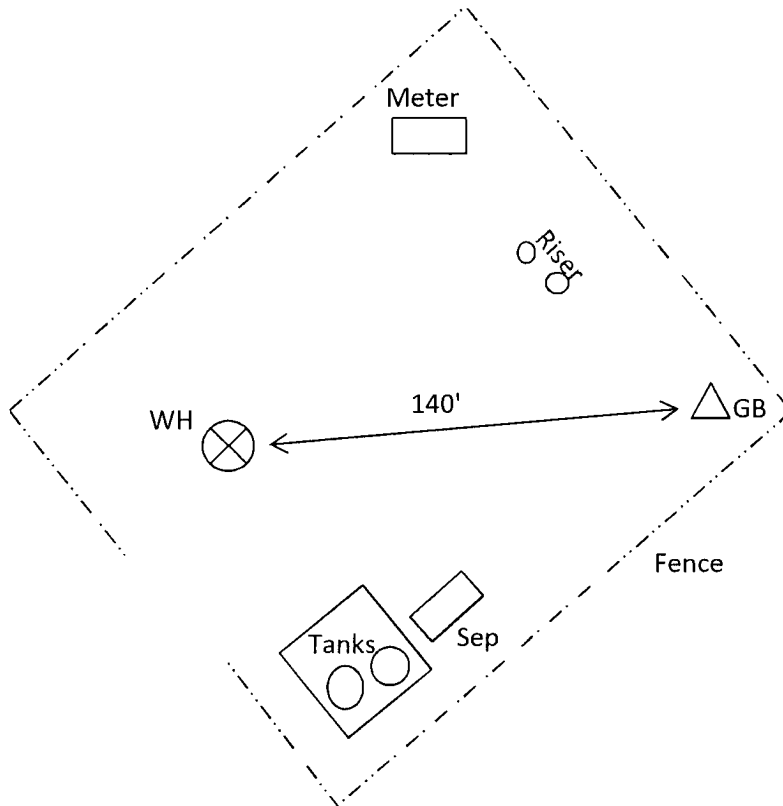
DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Sandstone		310		
25			315		
30			320		
35			325		
40			330		
45			335		
50			340		
55			345		
60			350		
65			355		
70			360		
75			365		
80			370		
85			375		
90			380		
95			385		
100		2	390		
105		.2	395		
110		.2	400		
115		.2	405		
120		.2	410		
125		2	415		
130		2	420		
135		2	425		
140		2	430		
145		2	435		
150		2	440		
155		2	445		
160		2	450		
165		2	455		
170		2	460		
175		.2	465		
180		.2	470		
185		2	475		
190		2	480		
195		2	485		
200		.2	490		
205		2	495		
210		.2	500		
215		2	505		
220		.2	510		
225		.2	515		
230		2	520		
235		2	525		
240		2	530		
245		.2	535		
250		.2	540		
255		.5	545		
260		5	550		
265	Shale	2.1	555		
270		2.8	560		
275		2.2	565		
280		2.1	570		
285		2.8	575		
290		2.6	580		
295		2.5	585		
300		2.5	590		
305	TD 305'		595		

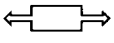
ANODE #	DEPTH	NO COKE	COKE
1	300	2.5	7.3
2	290	2.5	7.8
3	280	2.6	7.9
4	270	2.8	8.8
5	260	2.1	7.0
6	250	.5	2.9
7	240	.6	2.2
8	230	.4	1.8
9	220	.4	1.7
10	210	.5	1.8
11	200	.2	1.6
12	190	5	1.9
13	180	.5	2.0
14	170	.6	2.2
15	160	.5	1.9
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

WATER DEPTH: 280'
ISOLATION PLUGS:
LOGGING VOLTS: 12.6
VOLT SOURCE: Auto Battery
TOTAL AMPS: 21.9
TOTAL GB RESISTANCE: .57
Vac. Services: Ditch Witch 2 loads (Tierra)
Cement:

REMARKS:

DATE: 4/24/12
COMPANY: Energen
LOCATION: McCord 5E
LEGALS: S27 T30N R13W
STATE: NM



	Power Pole		Wellhead
	Rectifier		Meter Run
	Solar Unit		Meter House
	New Groundbed		Separator
	Old Groundbed		Compressor