

Gardner #1 30-045-11123
Gardner #1C 30-045-27982

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator Koch Exploration Company Location: Unit M Sec. 35 Twp. 32N Rng. 9W
Name of Well/Wells or Pipeline Serviced Gardner 1 and Gardner 1C

Elevation 6610 Completion Date 11-9-96 Total Depth 400' Land Type* F
Casing, Sizes, Types & Depths 10" Schedule 40 PVC to 20'

If Casing is cemented, show amounts & types used 8 bags Portland Cement

If Cement or Bentonite Plugs have been placed, show depths & amounts used
NA

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 200', clear water (1 gpm)

Depths gas encountered: None

Type & amount of coke breeze used: 7500 lbs of Loresco SC-2 coke

Depths anodes placed: 370', 350', 330', 305', 290', 270', 250', 240', 200', and 190'

Depths vent pipes placed: 400' to surface (1" sch 40 pvc)

Vent pipe perforations: 400' - 200'

Remarks: _____

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

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fec.
If Federal or Indian, add Lease Number.

RECEIVED
NOV 27 1996

OIL CON. DIV.
DIST. 3

TIERRA DYNAMIC COMPANY
GROUNDBED DRILLING LOG

LOCATION: Garner #1 + #C1 DATE: 11-9-96
COMPANY: Koch Exploration Co STATE: NM
COUNTY: S.J. LOCATION: _____
WELL DEPTH: 400 ft. DIAMETER: 10 in.
CASING: 10 in. DEPTH: 20 ft.

0-80	Sandstone
80-165	Shale
165-185	Sandstone
185-205	Shale
205-230	Sandstone
230-245	Shale
245-280	Sandstone
280-300	Shale
300-400	Sandstone
400	T.D.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME (S), NUMBER (S) Koch Garner #1 + C1	
NO	TOTAL	VOLTS 11.16 AMPS 13.6 = OHMS .82 DATE 11-9-96 NAME Jack Ledbetter

REMARKS (notes for construction log)
 Drill 14" hole and set 20' of 10" PVC casing and cement (8 bags)
 Drill 10" hole 20' - 400' and run 10 graphite anodes and 7500 lbs
 Lorcsco SC-2 Coke breeze pumped in hole
 H₂O @ 200' (1gpm)

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #
100			295			490			685		
105			300	1.4	-4	495			690		
110			305			500			695		
115			310	.9	4	505			700		
120			315			510			ANODE	DEPTH	NO
125			320	.8	-	515			#	COKE	FUL
130			325			520			1	370	1.3
135			330	.9	3	525			2	350	.4
140	1.0		335			530			3	330	.7
145			340	.4		535			4	305	1.2
150	1.4		345			540			5	290	1.6
155			350	.4	-2	545			6	270	.4
160	1.9		355			550			7	250	.6
165			360	.4		555			8	240	1.8
170	.6		365			560			9	200	.9
175			370	1.5	1	565			10	190	1.7
180	.9		375			570			11		
185			380	380	T.O.	575			12		
190	1.9	10	385			580			13		
195			390			585			14		
200	1.4	9	395			590			15		
205			400			595			16		
210	1.3		405			600			17		
215			410			605			18		
220	.5		415			610			19		
225			420			615			20		
230	.4	3	425			620			21		
235			430			625			22		
240	1.5	8	435			630			23		
245			440			635			24		
250	.7	7	445			640			25		
255			450			645			26		
260	.3		455			650			27		
265			460			655			28		
270	.4	6	465			660			29		
275			470			665			30		
280	1.5		475			670					
285			480			675					
290	1.7	5	485			680					

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OIL CON. 17%
DET. 3

TIERRA DYNAMIC COMPANY
GROUNDBED DRILLING LOG

LOCATION: Garner #1 + #C1 DATE: 11-9-96
COMPANY: Koch Exploration Co STATE: NM
COUNTY: S.J. LOCATION: _____
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<u>0-80 Sandstone</u>	
<u>80-165 Shale</u>	
<u>165-185 Sandstone</u>	
<u>185-205 Shale</u>	<u>Water (200') 1 gpm</u>
<u>205-230 Sandstone</u>	
<u>230-245 Shale</u>	
<u>245-280 Sandstone</u>	
<u>280-300 Shale</u>	
<u>300-400 Sandstone</u>	
<u>400</u>	<u>T.D.</u>

Garner #1 + C1

Garner

0111

15/5/2015

58

NAME _____

00 125 PM 6 2104 "H1 11 OCT

(1000) 1000 0000

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE
10	10	10	10	10	10
20	20	20	20	20	20
30	30	30	30	30	30
40	40	40	40	40	40
50	50	50	50	50	50
60	60	60	60	60	60
70	70	70	70	70	70
80	80	80	80	80	80
90	90	90	90	90	90
100	100	100	100	100	100

7	7	802			501
7	7	802			501

15		310	6	4
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1	8	3	—	—	3
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0.1	0.1
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345	1/4	50
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175	175	370	15	1
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185	380	380	380	TD
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100	100	100	100	100	100	100
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010	3	405			
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20	5		415		
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53	—	—	—	—	—
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			-277...			570
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9			037			
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100	—	—	1347	51	121	27
100	—	—	1347	51	121	27

5			4.75		15	00
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9	485	5	1.7	06
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