

1454

30-045-27595 EXHIBIT D

E

DATA SHEET FOR DEEP GROUND-BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator MERIDIAN OIL COMPANY Location: Unit Sec. 2 Twp 31N Rng 9WName of Well/Wells or Pipeline Serviced SAN JUAN 32-9 #201

CDS 2173w

Elevation 6469' Completion Date 12/6/90 Total Depth 320' Land Type N/ACasing Strings, Sizes, Types & Depths 20 ft. 8" PVC casingIf Casing Strings are cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Moisture @60' and 140' No water sampleDepths gas encountered: 320 feetGround bed depth with type & amount of coke breeze used: 230 ft - 4400#Ashbury Petroleum Coke BreezeDepths anodes placed: 260, 180, 170, 165, 155, 150, 140, 125, 120, 110Depths vent pipes placed: 320 ft. 1" PVC pipeVent pipe perforations: 250 ft.Remarks: (gb #1)**RECEIVED**

MAY 31 1991

OIL CON. DIV
DIST. 3

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-Fee.

If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

EXHIBIT A

Drilling Log (Attach Hereto) ☒Completion Date 12-6-90

4582A

CPS #		Well Name, Line or Plant:		Work Order #		Status:		Ins. Union Check	
2173W		SAN JUAN 32-9 #201						☐ Good ☐ Bad	
2790W								NO PIPE FROM W/H	
Location: P (Paul)		Anode Size:		Anode Type:		Size Bit:			
SP-2-T-3IN, R-9W		2" X 60"		ANOTEC		6 3/4"		SENE	
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Cable Used		Lost Circulation Mat'l Used	
320'		305'				4400#			
Anode Depth									
# 1 260	# 2 180	# 3 170	# 4 165	# 5 155	# 6 150	# 7 140	# 8 125	# 9 120	# 10 110
Anode Output (Amps)									
# 1 2.4	# 2 3.5	# 3 4.6	# 4 4.6	# 5 3.9	# 6 3.8	# 7 4.1	# 8 4.0	# 9 4.2	# 10 3.0
Anode Depth									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)									
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance						No. of C.P. Cable Used		No. of C.P. Cable Used	
Volts 12		Amps 12.4		Ohms .97					

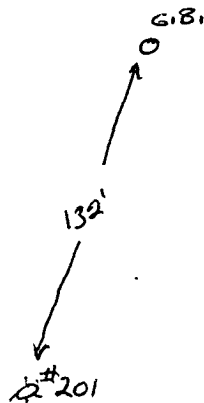
Remarks: SET 30' 8" PVC CASING. MOISTURE AT 60' & 140'. COULD NOT GET WATER SAMPLE
 HIT GAS AT 320'. RAN 320' 1" PVC PIPE PERFORATED ~~280'~~ 280'. 4400# COKE BREEZE TO
 90' FROM TOP OF HOLE

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____
 Ditch & 1 Cable: _____
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____

All Construction Completed

Edward L. L...
 (Signature)

GROUND BED LAYOUT SKETCH



0#57

6469

Tool Dresser

Meridian 011

CPS #:

WELL NAME: SAN JUAN 32-9 #201 LOCATION: 2-31-9 DATE: 12-6-90

TOTAL VOLTS: 12

TOTAL AMPS: 12.4

OHMS RESISTANCE:

97

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	ANODE	NO.	ANODE	ANODE	NO.	ANODE	ANODE	NO.	ANODE	ANODE	NO.			COKE	COKE
5			185	.6		365			545			1	260	1.0	2.4
10			190	.5		370			550			2	180	1.1	3.5
15			195	.5		375			555			3	170	1.5	4.6
20			200	.4		380			560			4	165	1.6	4.6
25			205	.3		385			565			5	155	1.3	3.9
30			210	.2		390			570			6	150	1.3	3.8
35			215	.2		395			575			7	140	1.1	4.1
40			220	.3		400			580			8	125	1.6	4.0
45			225	.4		405			585			9	120	1.5	4.2
50	1.2		230	.3		410			590			10	110	1.1	3.0
55	1.0		235	.2		415			595						
60	.5		240	.5		420			600						
65	.2		245	.5		425			605						
70	.2		250	.4		430			610						
75	.4		255	1.0		435			615						
80	.7		260	1.0	1	440			620						
85	.3		265	.7		445			625						
90	.3		270	.5		450			630						
95	.3		275	.7		455			635						
100	.4		280	.3		460			640						
105	1.0		285	.3		465			645						
110	1.1	10	290	.5		470			650						
115	.7		295	.3		475			655						
120	1.5	9	300	.7		480			660						
125	1.6	8	305	.9		485			665						
130	.3		310			490			670						
135	.7		315			495			675						
140	1.1	7	320			500			680						
145	1.4		325			505			685						
150	1.3	6	330			510			690						
155	1.3	5	335			515			695						
160	.6		340			520			700						
165	1.6	4	345			525			705						
170	1.5	3	350			530			710						
175	1.5		355			535			715						
180	1.1	2	360			540			720						

REMARKS: SET 20' 8" PVC CASING. MOISTURE AT 60' & 140'. COULD NOT GET WATER SAMPLE. HIT GAS AT 320'. RAN 320' 1" PVC PIPE - PERFORATED 230' 1 4400# COKE BREEZE TO 90' FROM TOP OF HOLE