

1131

#48 30-039-06974 E

#133 30-039-20402

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

Operator MERIDIAN OIL Location: Unit SW Sec. 19 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #48, #133
cps 175lw

Elevation 6363' Completion Date 11/5/84 Total Depth 300' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 35'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4625 lbs.

Depths anodes placed: 215', 205', 180', 170', 160', 150', 140', 130'

Depths vent pipes placed: 286'

Vent pipe perforations: 226'

Remarks: gb-#1

RECEIVED

MAY 31 1991

OIL CON. DIV

DIST. 2

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.

1130

#48 30-039-06974

#133 30-039-20402

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 19 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #48, #133

cps 1751w

Elevation 6363' Completion Date 11/5/84 Total Depth 80' Land Type* N/ACasing, Sizes, Types & Depths 40' OF 8" PVC CASINGIf Casing is 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 when possible:
Fresh, Clear, Salty, Sulphur, Etc. N/ADepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 55', 45'Depths vent pipes placed: 80'Vent pipe perforations: 40'Remarks: (gb) #2**RECEIVED**
MAY 31 1991
OIL CON. D
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

Drilling Log (Attach Hereto) ☐Completion Date 11/5/84

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins Union Check
1751 W	S.J. 27-5 # 48	53713-19-50-20	.72V	☒ Good ☐ Bad
	S.J. 27-5 # 133	54908-19-50-20	.65V	
Location	Anode Size	Anode Type	Size Bit	
SW 19-27-5	2" X 60"	DURION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
300'	286'		slurried 4625 LB.	
Anode Depth				
#1 215'	#2 205'	#3 180'	#4 170'	#5 160'
#6 150'	#7 140'	#8 130'	#9 120'	#10 110'
Anode Output (Amps)				
#1 3.1	#2 2.7	#3 2.8	#4 2.9	#5 2.9
#6 2.9	#7 4.2	#8 3.5	#9 2.8	#10 3.4
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. 8 C.P. Cable Used		No. 2 C.P. Cable Used
Volts 12.3	Amps 15.8	Ohms .28		

Remarks: Drilled 35' with Air, H.T. WET Muddy Formation. Started Drilling with mud. Drilled to 240'. Logged Hole, Logging anode H.T. several tight spots, Contractor did not think we could get coke breeze down the hole. Hole set over the weekend, Monday morning hole had sand in it at 10'. Driller went back in hole, cleaned it, & drilled to 300'. Logged 286'. Installed 286' of 1" P.V.C. vent pipe, Perforated from 226' to 46'. Covered 8 anodes with coke breeze & hole started

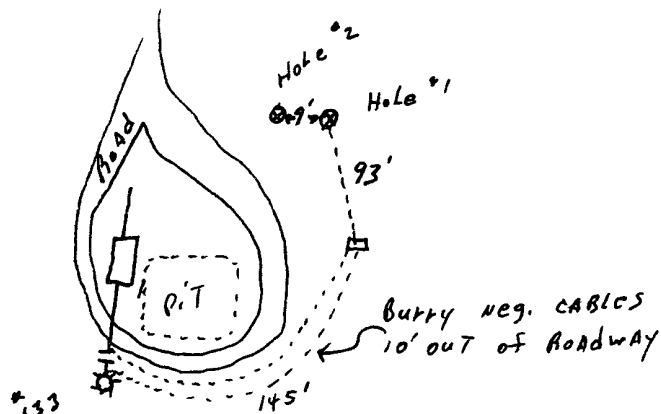
Rectifier Size: 60 V 30 A
 Addn'l Depth: —
 Depth Credit: 214' ✓
 Extra Cable: 165' ✓
 Ditch & 1 Cable: 238' ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: —
 10' Stub Pole: —

CAVING IN. Retrieved Anodes #9 & 10.
 Moved over 9' and drilled new All Construction Completed
 Hole for #9 & 10, set 40' of 8" P.V.C.
 PLASTIC CASINGS.

(1 Hr. Rig Time For setting casing)
 GROUND BED LAYOUT SKETCH
 Drilled 80', Logged 80'.

J.E. Datto
 (Signature)

Time	Reg.	O.T.
53713	16	2
54908	16	3



INSTRUCTION LOGGING READINGS

Hole #1

CPS #: 1751 W WELL NAME: S. J. 27-5 #48

LOCATION: 5019-27-5 DATE: 11/5/84

TOTAL VOLTS:

TOTAL AMPS:

OHMS RESISTANCE:

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.		ANODE	NO.		ANODE	NO.		ANODE	NO.				COKE	COKE
5			185	.9		365			545			1	215	2.3	3.1
10			190	.7		370			550			2	205	1.7	2.7
15			195	.7		375			555			3	180	2.0	2.8
20			200	.8		380			560			4	170	2.1	2.9
25			205	1.2	- 2	385			565			5	160	2.1	2.9
30			210	1.5		390			570			6	150	2.1	2.9
35			215	1.8	- 1	395			575			7	140	3.1	4.2
40			220	1.2		400			580			8	130	2.6	3.5
45	1.4		225	1.1		405			585			9	125	1.7	
50	1.4	10	230	.8		410			590			10	115	1.8	
55	1.3	10	235	.7		415			595						
60	1.0	9	240	.6		420			600						
65	1.3	8	245	.6		425			605						
70	.7		250	.6		430			610						
75	.7		255	.6		435			615						
80	.6		260	.5		440			620	We covered 8 Anodes with					
85	.6		265	.5		445			625	Coke Breeze & Hole started					
90	.5		270	.5		450			630	caving in. We Retrieved					
95	.5		275	.6		455			635	Anodes # 9 & 10					
100	.6		280	.6		460			640						
105	1.1		285	2.86	T.O	465			645	Moved over 9' & Drilled					
110	.8		290			470			650	80' Hole For " 9 5/8" 10 anode					
115	.7		295			475			655	set 40' of 8" P.V.C. casing					
120	.5		300			480			660						
125	.5		305			485			665						
130	1.4	- 8	310			490			670						
135	1.8		315			495			675						
140	2.0	- 7	320			500			680						
145	2.1		325			505			685						
150	1.7	- 6	330			510			690						
155	1.4		335			515			695						
160	1.6	- 5	340			520			700						
165	1.5		345			525			705						
170	1.5	- 4	350			530			710						
175	1.5		355			535			715						
180	1.4	- 3	360			540			720						

REMARKS: Drilled 25 with Air, Hit wet Muddy Formation, STARTED Drilling with Mud. Drilled To 240. Logged Hole, Logging Anodes. Hit several Tight spots, Contractor did not think we could get Coke Breeze down the Hole. On Monday morning 3 days later Hole had sand in it at 10'. Driller went back in the Hole and cleaned it, and Drilled To 300. Logged 286'. INSTALLED 286' of 1" P.V.C. VENT Pipe Perforated From 226' To 46'

INSTRUCTION LOGGING READINGS

Hole #2

CPS #: 1751 ✓ WELL NAME: S.J. 27-5 # 48
S.J. 27-5 # 133

LOCATION: 54-19-27-5 DATE: 11/7/84

TOTAL VOLTS: 12.3 TOTAL AMPS: 15.8

OHMS RESISTANCE: .78

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO. COKE	WITH COKE
5			185			365			545			9	55	1.3	2.8
10			190			370			550			10	45	1.4	3.4
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45	1.4	10	225			405			585						
50	1.5		230			410			590						
55	1.3	9	235			415			595						
60	1.0		240			420			600						
65	1.1		245			425			605						
70	.4		250			430			610						
75	.6		255			435			615						
80	70.80		260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Moved over 9' and started #2 Hole for 94' 10" Anode
 Drilled 60' with mud, Hole started caveing in between 15' & 40'.
 Set 40' of 8" P.V.C. casing. (1 Hr. Rig time for setting casing)
 Drilled 80'. Logged 80'.
 Installed 80' of 1" P.V.C. vent pipe perforated 40'.

1751 W. C.P.S.

1984

Company Supervisor