

5012

30-045-09479

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. 18 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced DELHI TURNER #1

cps 1308w

Elevation 6376' Completion Date 10/17/78 Total Depth 400' 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. 80', 280', 365' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 61 SACKS

Depths anodes placed: 355', 340', 335', 330', 325', 320', 315', 310', 305', 300'

Depths vent pipes placed: 360'

Vent pipe perforations: 280'

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

Drilling Log (Attach Hereto) ☐

Completion Date 10-17-78

Well Name <u>DELHI TURNER #1</u>		Location <u>SW 18-30-9</u>		CPS No. <u>1308W</u>	
Type & Size Bit Used <u>6 3/4"</u>		Contract # <u>#2</u>		Work Order No. <u>90046-19</u>	
Anode Hole Depth <u>380</u> <u>400 - logged</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
1. <u>355</u>	2. <u>340</u>	3. <u>335</u>	4. <u>330</u>	5. <u>325</u>	6. <u>320</u>
7. <u>315</u>	8. <u>310</u>	9. <u>305</u>	10. <u>300</u>		
Anode Output (Amps)					
1. <u>2.8</u>	2. <u>3.3</u>	3. <u>3.2</u>	4. <u>3.6</u>	5. <u>4.3</u>	6. <u>4.4</u>
7. <u>4.2</u>	8. <u>4.6</u>	9. <u>4.7</u>	10. <u>4.3</u>		
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 <u>11.8</u>	Amps <u>11.8</u>	Ohms <u>1.00</u>			

Remarks: Static 600' NW = 0.83. 2" x 2" x 48" Graphite Anodes Drilled and
Water @ 80'. waited 15 min blow water. Drilled to 260'. Logging Anode stopped
@ 245'. needed more hole. started making more water @ 280' & 365'. 30 GALS PER MIN.
Perforated 280' & 1" PVC vent Pipe. Installed 360' & 1" PVC vent Pipe.
Slurried 61 SACKS of COKE.

40V 16A Rectifier

20' meter Pole

Hole Depth = -120

Ditch cable = 312'

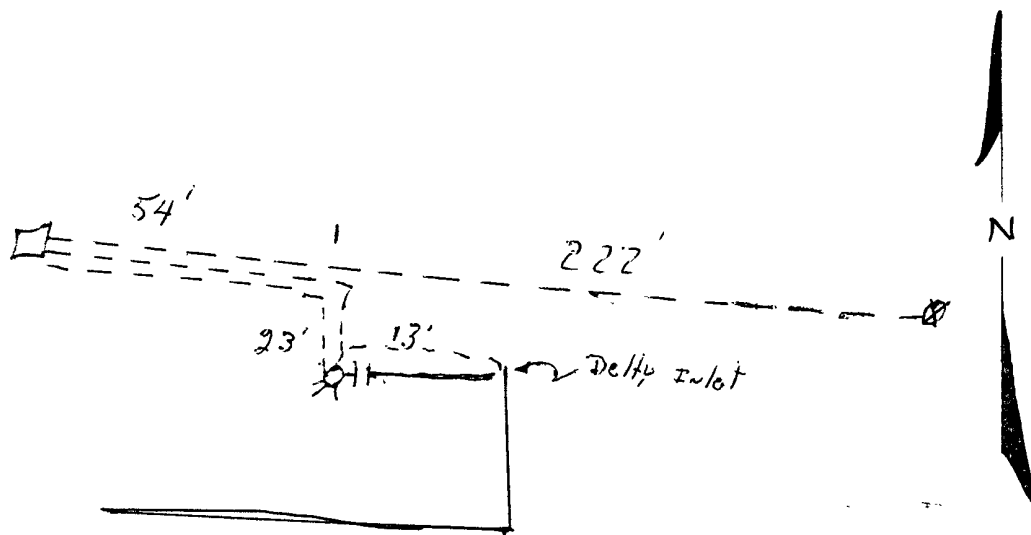
Extra cable = 131'

All Construction Completed

W. J. Lott

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

6374

De/Hi turner #1

SW 18-30-9

1308W

90046-19

Contract #2

Static 600' NW = 0.83
2" x 2" x 48" Graphite Anodes

DRILLER SAID WATER @ 80'. DRILLED TO 260'
LOGGING ARCADE STOPPED @ 245'. NEEDED MORE
HOLE. STARTED MAKING MORE WATER @ 280'.
DRILLED TO 400 MAKING MORE WATER @ 365'.
30 GALS PER MIN

MW		gals/mol
18.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂ ²	9.64
42.08	C ₃ ²	9.67

Static 600' NW = 0.83 2" x 2" x 48" Graphite Anodes			Driller said water @ 80'. Drilled to 260' Logging Anode stopped @ 245'. Need more Hole. started making more water @ 280'. Drilled to 400 making more water @ 365' 30 Gals per min		
80					
90	.6		70	.4 .7	Perforated 280' of 1" PVC vent pipe
	.2			.3 .7	Installed 360' of 1" PVC vent pipe
100	.2		80	.4 .7	slurried 61 sacks of coke
	.2			.4 .7	
10	.3		90	.3 .7	
	.2			.5 .8	
20	.3		300	1.3 1.8 (10)	
	.3			1.9 2.3 (9)	
30	.2		10	1.6 2.2 (8)	40V 16A Rect, S/c n
	.2			1.5 (6)	20' Motor Pole
40	.2		20	1.9 (6)	Hole Depth = -120
	.3			2.2 (5)	Ditch 51 cable = 312
50	.6		30	.8 (4)	Extra cable = 131
	.8			1.6 (3)	
60	.8		40	1.2 (2)	
	.7			.5	
70	.6		50	.5	
	.1			1.1 - (1)	
80	.2		60	1.4	
	.3			.5	
90	.6	1.0	70	.6	(1) 355 1.3 2.8
	.8	1.0		.5	(2) 340 1.0 3.3
200	.7	1.0	80	.5	(3) 335 1.6 3.2
	.8	1.0			(4) 330 1.1 3.6
10	1.0	1.1	90		(5) 325 1.9 4.3
	1.0	1.1			(6) 320 2.0 4.4
20	.9	1.0	400		(7) 315 1.3 4.2
	1.0	1.0			(8) 310 2.0 4.6
30	.7	.8			(9) 305 2.2 4.7
	.3	.3			(10) 300 1.8 4.3
40	.4	.4			
	.5	.5 .8			
50		.5 .8			Volts = 11.8
		.4 .6			Amps = 11.8
60		.4 .6			Ohms = 1.0
		.4 .7			

MW	MISC. gals/mol	
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

Volts = 11.8
Amps = 11.8
Ohms = 1.0

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9398 Date 12-7-78
Operator EPBG Well Name DELHI TURNER #1 1308W
Location SW 18-30-9 County _____ State _____
Field _____ Formation _____
Sampled From 1308 W
Date Sampled _____ By _____

Tbg. Press.	Csg. Press.	Surface Csg. Press
ppm	epm	ppm epm
Sodium <u>81</u>	<u>4</u>	Chloride <u>228</u> <u>6</u>
Calcium <u>248</u>	<u>12</u>	Bicarbonate <u>215</u> <u>4</u>
Magnesium <u>162</u>	<u>13</u>	Sulfate <u>2440</u> <u>51</u>
Iron <u>PRESENT</u>		Carbonate <u>0</u> <u>0</u>
H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u> <u>0</u>

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

Total Solids Dissolved 3772
pH 6.7
Sp. Gr. 1.0046 at _____ 60°F
Resistivity 260 ohm-cm at 74 °F

Barnett-Elisberg
Chemist

