

1A-30-045-22386
5-30-045-21118

5011

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

Operator MERIDIAN OIL Location: Unit NW Sec. 18 Twp 30 Rng 9
Name of Well/Wells or Pipeline Serviced DELHI TURNER #1A, #5,
TURNER FEDERAL #210 cps 1309w
Elevation 6278' Completion Date 10/14/78 Total Depth 340' 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. 150' SAMPLE TAKEN
Depths gas encountered: N/A
Type & amount of coke breeze used: 40 SACKS
Depths anodes placed: 305', 285', 275', 265', 255', 245', 235', 225', 215', 175'
Depths vent pipes placed: 305'
Vent pipe perforations: 200'
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 10-14-78

Turner #210
1 1/2" x 60" Duriron

Well Name <u>De 141 - TURNER #1</u>		Location <u>NW 18-30-9</u>		CPS No. <u>1309W</u>	
Type & Size Bit Used <u>6 3/4</u>		Contract # <u>2</u>		Work Order No. <u>57173-21</u> <u>55233-19</u>	
Anode Hole Depth <u>logged</u> <u>340 - 340</u>		Total Drilling Rig Time		Total Lbs. Coke Used	
Anode Depth		Lost Circulation Mat'l Used		No. Sacks Mud Used	
1 30.5	2 285	3 275	4 265	5 255	6 245
7 235	8 225	9 215	10 175		
Anode Output (Amps)					
1 1.9	2 2.7	3 4.0	4 3.9	5 3.4	6 3.0
7 3.9	8 3.6	9 2.7	10 2.9		
Anode Depth					
11	12	13	14	15	16
Anode Output (Amps)					
11	12	13	14	15	16
Total Circuit Resistance					
Volts <u>11.5</u>	Amps <u>13.8</u>	Ohms <u>0.83</u>	No. 8 C.P. Cable Used		
			No. 2 C.P. Cable Used		

Remarks: DRILLER SAID MAKING WATER @ 150'. DRILLED TO 160' waited 15
min. Blew water. 3.5 GALS per min. Perforated 200' of 1" PVC vent
Pipe. Installed 305' of 1" PVC vent Pipe. Slurried 40 SACKS of coke.

40V 16A Rectifier

Hole Depth = -160

Stub Pole

Ditch Cable = 245'

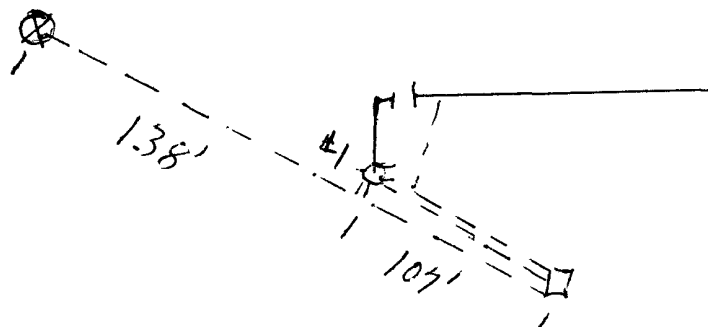
EXTRA CABLE = 214

All Construction Completed

W. I. Lott

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

628

TURNER #5

DAILY DRILLING REPORT

LEASE			WELL NO. 1309W			CONTRACTOR D. & A. ENTER.			RIG NO. 2			REPORT NO.			DATE Oct 14			1978													
MORNING						DAYLIGHT						EVENING																			
Driller						Driller						Driller																			
Total Men In Crew						Total Men In Crew						Total Men In Crew																			
FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.															
		NO. DC		SIZE		LENG.								NO. DC		SIZE		LENG.													
BIT		NO. DC		SIZE		LENG.		BIT NO.		NO. DC		SIZE		LENG.		BIT NO.		NO. DC		SIZE		LENG.									
SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		TOTAL DEPTH		SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		TOTAL DEPTH		SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		TOTAL DEPTH			
MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED					
Time	WT.	Vis.			Time	WT.	Vis.			Time	WT.	Vis.			Time	WT.	Vis.			Time	WT.	Vis.			Time	WT.	Vis.				
FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN	
0	40	Sandy Stone		240	300	Sandy Shale																									
40	60	Sandy Stone & Shale		300	340	Shale																									
60	120	Sandy Stone & Shale																													
120	150	Sandy Shale (water)																													
150	220	Sandy Shale																													
220	240	Shale																													
REMARKS -						REMARKS -						REMARKS -						REMARKS -													
																		Drilled 1 1/4" hole to 340													
																		Logged 340													
																		Est. 35 gal. m. water													

SIGNED: Toolpusher

D. F. McQuinn

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 34
Date: 10/6/5
By:
File:

DELHI-TURNER #1-A
TURNER # 5

NW18-30-9
CONTRACT #2

1309W

57173-21
55233-19

MW		gals/mol
16.04	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	9.64
42.08	C ₃	9.67

STATIC 600' SW #1A = 0.85
1 1/2" X 60" DURIRON

DRILLER SAID MAKING WATER @ 150'. PULLED TO
160' WAITED 15 MIN BLEW WATER. 35 GALS PER MIN
PERFORATED 200' 0.31" PVC VENT PIPE
INSTALLED 305' 0.31" PVC VENT PIPE.
SLURRYED 40 SACKS OF COKE

150 .6	10 .8
60 .7	20 .8
1.0	.5
70 .8	30 .2
1.4 (10)	.2
80 1.3	40 .2
.8	
90 .7	
.7	
2.00 .7	
.7	
10 .8	
.8 (3)	
20 1.6	
1.6 (2)	
30 1.9	
1.8 (7)	
40 1.6	
1.3 (5)	
? 50 .8	
1.1 (2)	
60 1.7	
1.6 (4)	
70 1.8	
1.8 (3)	
80 1.6	
1.2 (2)	
90 .9	
.8	
300 .8	
1.0 (1)	

FD 5' DRILLED

NOV 16A Rectifier

Stub Pole

Hole Depth = -160

Ditch Cable = 245'

EXTRA Cable = 214'

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

1.1	(2)	① 305	1.1	1.9
60 1.7		② 285	1.2	2.7
1.6		③ 275	2.0	4.0
70 1.8		④ 265	1.7	3.9
1.8		⑤ 255	1.3	3.4
80 1.6		⑥ 245	1.4	3.0
1.2		⑦ 235	2.0	3.9
90 .9		⑧ 225	1.8	3.6
.8		⑨ 215	1.2	2.7
300 .8		⑩ 175	1.6	2.9
1.0 (1)				

Volts 11.5

AMPS 13.8

Ohms 0.83

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

Analysis No. 1-9411 Date 12-12-78

Operator _____ Well Name DELHI TURNER # 1-A 1309W

Location NW 18-30-9 County _____ State NM

Field _____ Formation _____

Sampled From 1309W

Date Sampled _____ By _____

Tbg. Press. _____	Csg. Press. _____	Surface Csg. Press _____	
ppm	epm	ppm	epm

Sodium <u>85</u>	4	Chloride <u>24</u>	.7
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Calcium <u>364</u>	18	Bicarbonate <u>278</u>	5
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Magnesium <u>62</u>	5	Sulfate <u>1000</u>	21
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Iron <u>PRESENT</u>		Carbonate <u>0</u>	0
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

Total Solids Dissolved 1982

pH 7.5

Sp. Gr. 1.0028 at _____ 60°F

Resistivity 460 ohm-cm at 75 °F

Barnett Ellsberg
Chemist

