30-045-06083 5/92

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. 2 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #99

cps 945w

Elevation 6596 Completion Date 8/5/75 Total Depth 320' 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. 85'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3200 lbs.

Depths anodes placed: 270', 260', 250', 225', 215', 205', 185', 175', 165', 135'

Depths vent pipes placed: N/A

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 8-5-75

Well Name	Location	CPS No.
Huerfano # 99	NW 2-26-10	945W

Type & Size Bit Used	Work Order No.
6 3/4	53652

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
320		3200		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	270	260	250	225	215	205	185	175	165	135
Anode Output (Amps)	2.2	5.4	4.8	5.0	5.6	5.2	3.6	4.0	5.4	2.[illegible]

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

Total Circuit Resistance Volts	Amps	Ohms	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
12.0	17.5	0.68	2385	0

Remarks: Drill 100' - Water at 85 Next A.M. - Start Water injection - Bridge Between No 1 & 2 Anodes - No 1 Anode Did Not Respond to Coke - Vent Perforated 200'
Slurry 32 Sacks Coke

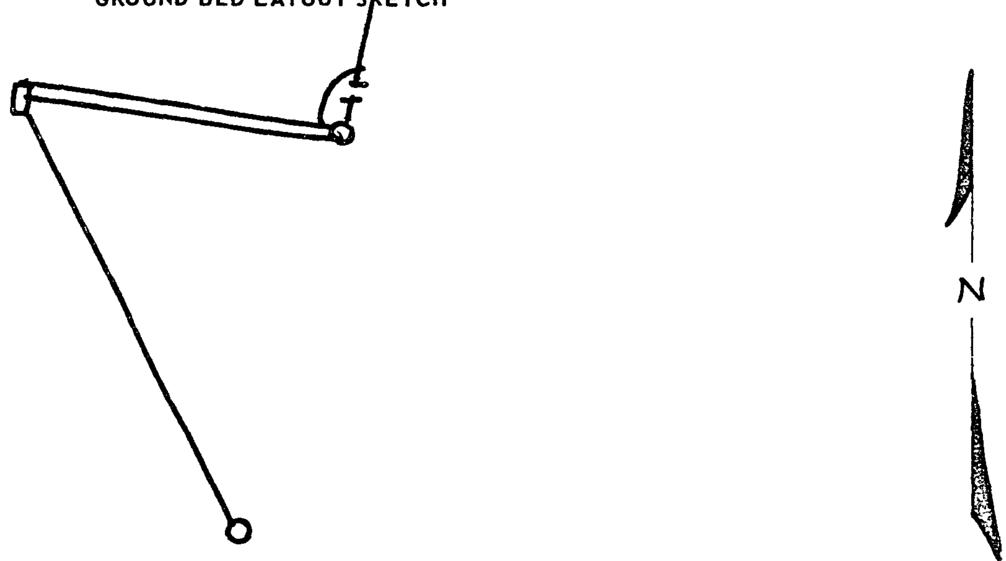
Driller 1452.16
Mat'l 449.28
Wire 221.81
Coke [illegible]
Anodes [illegible]
R&D [illegible]
J Box 73.00
Misc 50.00

2907.35

All Construction Completed

Hamels
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

Shallow 5-75

DAILY DRILLING REPORT

LEASE WELL NO. 945-W CONTRACTOR RIG NO. 3991 REPORT NO. DATE 19

MORNING — Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0'	20'	Sand		
20'	93'	Sandstone		
93'	106'	Shale		
106'	169'	Sandstone		

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. ___
SERIAL NO. | STANDS
SIZE 5¼ | SINGLES
TYPE | DOWN ON KELLY
MAKE | TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
275'	285'	Shale
285'	295'	Sandstone
295'	310'	Shale
310'	320'	Sandstone
320'	-	TD

REMARKS – Damp @ 60'
Wet @ 80' to 93'

8-5-75 Water @ 35'
... logged from 100 to 320'

DAYLIGHT — Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
169'	180'	Shale		
180'	209'	Sandstone		
209'	212'	Shale		
212'	215'	Sandstone		

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. ___
SERIAL NO. | STANDS
SIZE | SINGLES
TYPE | DOWN ON KELLY
MAKE | TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING — Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
215'	230'	Shale		
230'	265'	Sandstone		
265'	270'	Shale		
270'	275'	Sandstone		

BIT NO. | NO. DC ___ SIZE ___ LENG. ___ | NO. DC ___ SIZE ___ LENG. ___
SERIAL NO. | STANDS
SIZE | SINGLES
TYPE | DOWN ON KELLY
MAKE | TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher [signature] Company Supervisor

Form 7-1 (Rev. 11-7

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet ____ of ____
Date: ____
By: ____

945W

85	1.2	260	1.9	Drilled 100' -
			2.0	water at 85 Next A.M.
90	1.5	70	2.1	Start wtr inj
	2.0		2.0	
100	2.0	80	2.0	
	2.0		2.0	
10	1.8	90	1.8	
	1.7		1.8	Vent Perf 200'
20	1.0	300	292 - T.D.	
	.8			32 Sacks Coke
30	.8	10		
	1.4			
40	1.3	20		
	1.1			
50	1.0			
	1.2			
60	1.3			
	1.6			
70	2.0			
	1.7			
80	1.6			
	1.6			
90	1.3			
	1.2			
200	1.2			
	1.6			
10	1.8			
	2.0			
20	2.0			
	1.8			
30	1.5			
	1.0			
40	1.1			
	1.4			
50	1.8			
	1.9			

1	~~280~~ 270	2.6	2.2	
2	~~290~~ 260	2.7	5.4	
3	250	2.4	4.8	
4	225	2.1	5.0	
5	215	2.4	5.6	
6	205	2.5	5.2	
7	185	1.8	3.6	
8	175	1.8	4.0	
9	165	2.4	5.4	
10	135	1.5	2.8	

12.0 V. 17.5 A. = 0.68 Ω

MW		gals/mol
16	C_1	5.4
30	C_2	[illegible]
44	C_3	10.42
58	IC_4	12.38
"	NC_4	11.93
72	IC_5	13.85
"	NC_5	13.71
86	IC_6	15.50
"	C_6	15.57
100	IC_7	17.2
"	C_7	17.46
114	C_8	19.1
28	$C_2^=$	9.64
42	$C_3^=$	11.67

MISC

MW		gals/mol
44	CO_2	5.38
34	H_2S	5.17
28	N_2	4.16
2	H_2	3.38