

30-045-2199/

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

Operator MERIDIAN OIL Location: Unit SE Sec. 7 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced PIERCE #3A

cps 1385w

Elevation 6459' Completion Date 8/2/79 Total Depth 390' 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. 120' - 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 48 SACKS

Depths anodes placed: 370', 360', 350', 340', 325', 290', 190', 180', 170', 160'

Depths vent pipes placed: 300'

Vent pipe perforations: 300'

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

8 Hrs Reg
3 Hrs OT

Drilling Log (Attach Hereto) ☐

2" x 60" DNRIRON

Completion Date 8-2-79

Well Name PIERCE 3A		Location SE 7-30-9		CPS No. 1385W	
Type & Size Bit Used		STATIC = .78		Work Order No. 57300-21	
Anode Hole Depth 390'	Total Drilling Rig Time	Total Lbs. Coke Used 48 BAGS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 370	# 2 360	# 3 350	# 4 340	# 5 325
Anode Output (Amps)	# 1 1.9	# 2 1.9	# 3 2.1	# 4 2.2	# 5 1.8
Anode Depth	# 6 290	# 7 180	# 8 180	# 9 170	# 10 160
Anode Output (Amps)	# 6 1.8	# 7 3.5	# 8 2.5	# 9 3.9	# 10 3.8
# 11	# 12	# 13	# 14	# 15	# 16
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance	Volts 11.8		Amps 11.5		Ohms 1.0
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Driller advised good water sand 120 to 140'
Set overnight Blow water next AM (Sample) Sustained
4 to 6 gal minute Drilled to 400' lagged 390'
TD 390' 300' 1" PVC vent pipe

20' METER POLE

40/16 RECT

DITCH + 1 WIRE = 340'

EXTRA WIRE = 265'

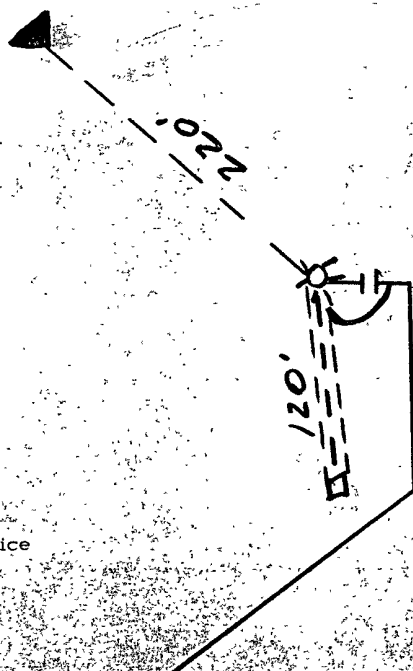
HOLE = -110'

GROUND BED LAYOUT SKETCH

All Construction Completed

BT

(Signature)



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

6459

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

28 1385

DAILY DRILLING REPORT

LEASE WELL NO. CONTRACTOR RIG NO. REPORT NO. DATE 19 79

MORNING										EVENING									
Driller					Total Men In Crew					Driller					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.	FROM	TO	FORMATION	WT-BIT	R.P.M.
BIT NO. 6314					NO. DC SIZE LENG.					NO. DC SIZE LENG.					NO. DC SIZE LENG.				
SER. NO.					BIT NO.					SER. NO.					BIT NO.				
SIZE					STANDS					STANDS					STANDS				
TYPE					SINGLES					SINGLES					SINGLES				
MAKE					DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY				
MUD RECORD					TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH				
MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED				
Time					Time					Time					Time				
Wt.					Wt.					Wt.					Wt.				
Vis.					Vis.					Vis.					Vis.				
TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN				
FROM	TO				FROM	TO				FROM	TO				FROM	TO			
0	1	hard wet																	
1	60	hard stone																	
60	90	shale																	
90	90	hard sand																	
120	120	shale																	
145	145	hard wet																	
REMARKS -					REMARKS -					REMARKS -					REMARKS -				
145-200 shale					making water 5-6 gal min														
200-400 sandy shale																			

El Paso Natural Gas Company
ENGINEERING CALCULATION
 8th Reg
 3 H2O 1
 Sheet: 8 of 27
 Date: 8-2-77
 By: AT
 File:

PIERCE 3A 1385W

STATIC = .78 SE 7-30-9

57300-2.

Driller advised good water sand 170 TO 140
 set over night Black water must AM Turstima
 4 to 6 gal per minute. (Sample) Drilled 40

TD 390' 300' 1" PVC vent pipe perforated
 90' plain. Hole = -110'

$$11.8 \text{ V } 11.5 \text{ A} = 1.0 \Omega$$

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	iC4	12.38
58.12	nC4	11.93
72.15	iC5	13.85
72.15	nC5	13.71
86.18	iC6	15.50
86.18	C6	15.57
100.21	iC7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2	9.64
42.08	C3	9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

150	2.2	255	1.5	355	1.2
55	2.2	60	1.5	60	1.1 - ②
60	2.1 - ⑩	65	1.5	65	1.1
65	2.1	70	1.6	70	1.0 - ①
70	2.0 - ⑨	75	1.6	75	1.0
75	1.5	80	1.6	80	1.0
80	1.3 - ⑧	85	1.7	85	1.1
85	1.0	90	1.9 - ⑥	90	
90	1.3 - ①	95	1.3	95	
95	1.6	300	1.1	400	
200	1.0	5	1.7	5	
5	1.6	10	1.7	10	
10	1.5	15	1.7	15	
15	1.6	20	1.8	20	
20	1.7	25	1.0 - ⑤	25	
25	1.7	30	1.1	30	
30	1.8	35	1.3	35	
35	1.8	40	1.8 - ④	40	
40	1.8	45	1.7	45	
45	1.7	50	1.4 - ③	50	
50	1.5				
1	370	1.1	1.9		
2	360	1.2	1.9		
3	350	1.4	2.1		
4	340	2.2	3.2		
5	325	1.3	1.8		
6	290	1.2	1.8		
7	190	1.4	2.5		
8	180	1.3	3.5		
9	170	2.6	3.9		
10	160	3.1	3.8		

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

Analysis No. 1-9670 Date 8-14-79

Operator EPNG Well Name PIERCE # 3A

Location SE 7-30-9 County _____ State _____

Field _____ Formation _____

Sampled From CPS 1385 W

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press _____

ppm epm ppm epm

Sodium 92 4 Chloride 32 1

Calcium 396 20 Bicarbonate 195 3

Magnesium 44 4 Sulfate 1150 24

Iron PRESENT 0 Carbonate 0 0

H₂S ABSENT 0 Hydroxide 0 0

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

Total Solids Dissolved 2434

pH 7.8

Sp. Gr. 1.0035 at 60°F

Resistivity 450 ohm-cm at 75 °F

Chemist
Chemist

