

4A = 30-045-22523
8 = 30-045-20886

5056

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

Operator MERIDIAN OIL Location: Unit J Sec. 2 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC D COM C #4A

ATLANTIC D COM G #8 cps 1313w

Elevation 6516' Completion Date 11/2/88 Total Depth 460' 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. 220'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 410', 395', 385', 356', 344', 335', 220', 200', 170'

Depths vent pipes placed: 438'

Vent pipe perforations: 240'

Remarks: qb #2

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 11/2/88

CP#	Well Name, Line or Plant:	Work Order #	Status:	Ins. Union Check
1313W	ATLANTIC D COM C-4A	48992A		☐ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
J-2-30-10	2"x60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
460	448			
Anode Depth				
#1 410	#2 395	#3 385	#4 356	#5 350
#6 344	#7 336	#8 328	#9 280	#10 270
Anode Output (Amps):				
#1 2.6	#2 2.3	#3 2.8	#4 3.2	#5 3.9
#6 3.8	#7 3.6	#8 3.1	#9 3.9	#10 3.2
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 12.4	Amps 14.8	Ohms .84		

Remarks: WATER AT 220', DID NOT GET WATER SAMPLE, HAD TO START
IND. AT 180'. INSTALLED 438' of 1" VENT PIPE, (PVC) PENETRATED
240'.

1026867

555-ECU1-001-00-7

G.B. 4170.00

Rectifier Size: V AAddn'l Depth: 0Depth Credit: 52 3.50 -182.00Extra Cable: 10' 2.40 2.50 -2.40Ditch & 1 Cable: 70' 1.70 52.50 48.00~~Ditch & 2 Cable:~~25' Meter Pole: 020' Meter Pole: 010' Stub Pole: 0Junction Box: 1

249.00

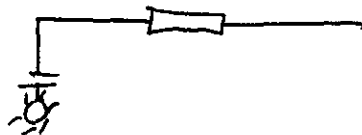
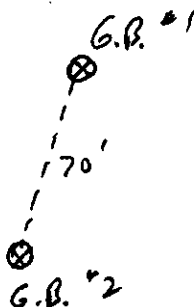
4292.00 4288.40

TAX 214.60 214.42 2x

TOTAL 4506.60 4502.82 OK 93

All Construction Completed

(Signature)



6516

D. CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Atlantic Ocean #4A Date 11-2-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
<u>0</u>	<u>260</u>	<u>SANDstone.</u>
<u>260</u>	<u>305</u>	<u>Shale</u>
<u>305</u>	<u>325</u>	<u>SANDstone.</u>
<u>325</u>	<u>360</u>	<u>Shale</u>
<u>360</u>	<u>380</u>	<u>SANDstone</u>
<u>380</u>	<u>420</u>	<u>Shale</u>
<u>420</u>	<u>460</u>	<u>SANDstone</u>

Mud _____ Brn _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 220'

Driller Ronnie Brown

ATLANTIC D COM C #4-A

SE 2-30-10
CONTRACT # 2

1313W

57220-21

STATIC 600' W = 0.85
2' x 2' x 48" Graphite AnodesDRILLER SAID MAKING WATER @ 200'. DRILLED
to 220'. Next A.M. Blow Water. MAKING MORE
WATER @ 260'. 5 Gals Per Min.
Perforated 220' of 1" PVC vent Pipe.
Installed 420' of 1" PVC vent Pipe
Slurried SACKS of coke.

MW		gals/mol
16.04	C ₁	8.4
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

200	.4	80	.6
	.4		.6
10	.4	90	1.2 (2)
	.7		1.2
20	.4	400	.9 (1)
	.3		.6
30	.4	10	1.1
	.4		.8
40	.3	20	
	.4		
50	.4		
	.5		
60	.7		
	.7		
70	1.1		
	1.1 (10)		
80	1.6		
	1.5 (9)		
90	1.5		
	1.3 (8)		
300	1.3		
	1.1 (7)		
10	.4		
	.2		
20	.2		
	.9		
30	1.6 (6)		
	1.5		
40	1.4 (5)		
	1.5		
50	1.4 (4)		
	1.3		
60	.9 (3)		
	.7		
70	.6		
	.4		

+ D & Drilled

40V 16A Rectifier
Stub Pole
Hole Depth = -86
Ditch Cable = 232'
EXTRA Cable = 178'

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

① 400	1.2	2.7
② 390	1.4	2.8
③ 360	1.2	2.1
④ 350	1.6	2.8
⑤ 340	1.5	2.6
⑥ 330	1.8	3.0
⑦ 305	1.4	2.4
⑧ 295	1.4	3.0
⑨ 285	1.9	3.5
⑩ 275	1.2	2.8

VOLTS 12.0
Amps 12.5
OHMS 0.96

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

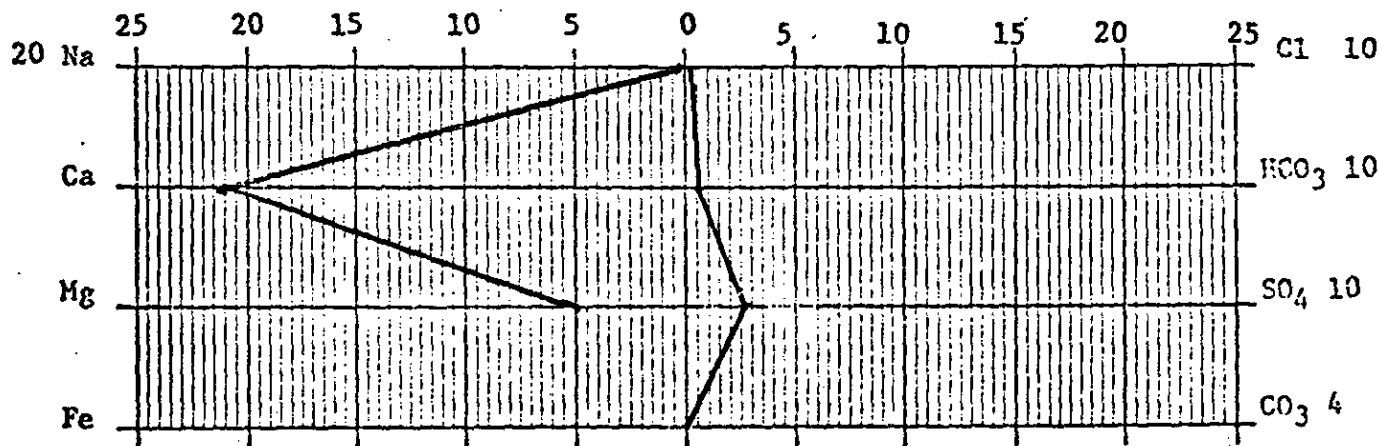
Analysis No. 1-9412 Date 12-12-78
Operator _____ Well Name ATLANTIC D COM C #4A 1313W
Location S# 2-30-10 County _____ State _____
Field _____ Formation _____
Sampled From 1313 W
Date Sampled _____ By _____

Tbg. Press.	Csg. Press.	Surface Csg. Press
ppm	epm	ppm epm
Sodium <u>129</u>	<u>6</u>	Chloride <u>20</u> <u>.6</u>
Calcium <u>420</u>	<u>21</u>	Bicarbonate <u>288</u> <u>5</u>
Magnesium <u>65</u>	<u>5</u>	Sulfate <u>1250</u> <u>26</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 2474
pH 7.3
Sp. Gr. 1.0033 at 60°F
Resistivity 420 ohm-cm at 75 °F

Barnett Ellsberry
Chemist



Scale: epm