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456

30-045-22522

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 30 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC D COM D #5A

cps 1209w

Elevation N/A Completion Date 6/22/78 Total Depth 420' 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. DAMP AT 120' WATER AT 145'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 385', 375', 360', 350', 340', 315', 250', 240', 230', 210'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

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 6-22-78

Well Name ATLANTIC Com D #5A		Location NW 2-30-10		CPS No. 1209 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57191-21	
Anode Hole Depth 420 - 405 D	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 385	# 2 375	# 3 360	# 4 350	# 5 340	# 6 315
# 7 250	# 8 240	# 9 230	# 10 210		
Anode Output (Amps)					
# 1 3.7	# 2 4.2	# 3 4.8	# 4 4.6	# 5 3.6	# 6 3.0
# 7 2.6	# 8 2.5	# 9 2.7	# 10 3.4		
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 9.5	Amps 10.2	Ohms .93			

Remarks: **STATIC = 600' SE .90**

DRILLED TO 420' LOGGED TO 405' TD = 405' HOLE - 95'
DAMP AT 120' GOOD WATER AT 145' TO 160' ESTIMATE
2-3 GAL PER MIN. FILLED HOLE TO 170' TO LOG

DITCH #1 WIRE = 343'

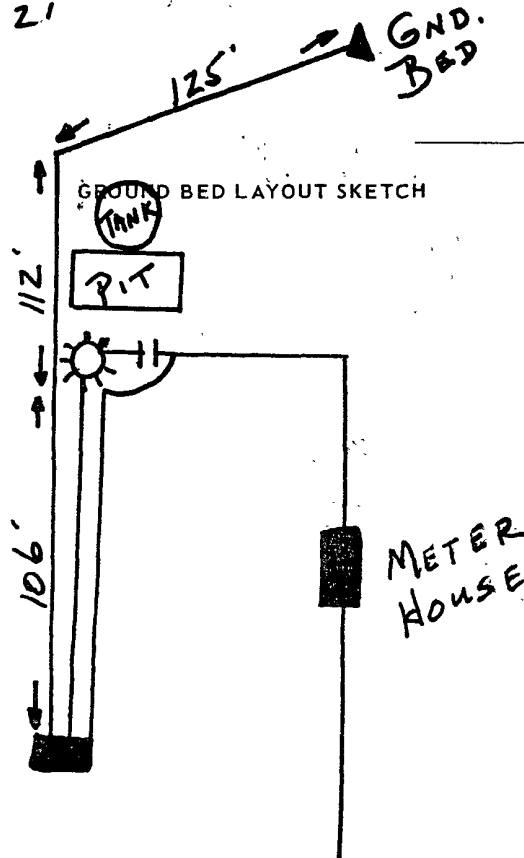
EXTRA WIRE = 212'

40/16 + STUB POLE

HOLE = -95'

All Construction Completed

B.T.
(Signature)



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 6 of 6
Date:
By: BT
File:
STATIC = .96
NW2-30-10

57191-21

1209 W
ATLANTIC D Com D #5A
DRILLED TO 420' LOGGED TO 405' TD = 405'
DAMP AT 120' GOOD WATER AT 145' TO 160' ESTIMATE
2-3 GAL PER MIN. FILLED HOLE TO 170' TO LOG.
HOLE = 1-95'

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

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

100	1.4	20
10	60 1.0	30
20	70 .9	40
30	80 .6	50
40	90 1.1	60
50	100 .8	70
60	110 1.0	80
70	120 .4	90
80	130 .8	100
90	140 1.8 (6)	
100	150 1.8	
110	160 1.6	
120	170 1.4	
130	180 1.3	
140	190 1.6	
150	200 1.6 (5)	
160	210 2.0	
170	220 2.2 (4)	
180	230 2.2	
190	240 2.4 (3)	
200	250 2.6	
210	260 2.4 (2)	
220	270 2.1	
230	280 2.2 (1)	
240	290 1.8	
250	300 1.8	
260	310 1.4	
270	320 1.0	
280	330	
290	340	
300	350	
310	360	
320	370	
330	380	
340	390	
350	400	
360	410	
370	420	
380	430	
390	440	
400	450	
410	460	
420	470	
430	480	
440	490	
450	500	

9.5V 10.2A = .93

- 1 = 385 - 2.6 = 3.7
- 2 = 375 - 2.7 = 4.2
- 3 = 360 - 3.0 = 4.8
- 4 = 350 - 2.8 = 4.6
- 5 = 340 - 2.1 = 3.6
- 6 = 315 - 2.4 = 3.0
- 7 = 250 - 1.8 = 2.6
- 8 = 240 - 1.8 = 2.5
- 9 = 230 - 2.0 = 2.7
- 10 = 210 - 2.7 = 3.4

Atlantic #5A

LEASE			WELL NO. 1209w			CONTRACTOR Posey			RIG NO.			REPORT NO.			DATE 6-22			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.						
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SERIAL NO.		STANDS				SERIAL NO.		STANDS				SERIAL NO.		STANDS						
SIZE		SINGLES				SIZE		SINGLES				SIZE		SINGLES						
TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY						
MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH						
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.						
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN								
REMARKS -					REMARKS -					REMARKS -										
0-100 SAND stone					220-300 SANDY shale					MAKING 2-3 gal. per min.										
100-110 SANDY shale					300-340 shale					at 150-155										
110-120 SAND					340-360 SANDY shale															
120-150 shale					360-410 shale															
150-155 SAND m.w.					410-420 SANDY shale															
155-165 shale																				
165-190 SANDY shale																				
190-220 shale																				

SIGNED: Toolpusher

____ Company Supervisor SOI

SAN JUAN DIVISION LABORATORY

ANALYSIS NO. 1-9230

DATE COMPLETED 7-6-78

WELL NAME	LOCATION S T R	DATE SECURED	GAL./ DAY	PPM T.D.S.	pH	PPM CHLORIDES	PPM SULFATE
Jones A #1A MV	10-28-8	6-20	24	7452	7.0	4320	7840
Jones A #1A PC	10-28-8	6-20	1	39	6.8	13	1000
Hughes #4A	20-29-8	6-20	54	6858	7.2	4830	1280
Day A #5A	18-29-8	6-20	38	7632	7.1	6320	2500
Day #1A	17-29-8	6-20	80	6670	7.4	6390	500
Day A #1A	17-29-8	6-20	106	7527	7.4	7170	1000
Day #3A	18-29-8	6-20	42	6913	6.7	7170	1000
Day A #2A	7-29-8	6-20	96	5887	7.6	6320	64
1 Paso #1A	20-29-9	6-17	8	9493	6.8	6745	7080
Ansfield #2A 1241W	19-30-9	6-19		1019	7.3	24	1520
Wigley #1A 1275W	6-30-9	6-19		430	7.1	20	600
Lorance #2A 1220W	21-30-9	6-19		1373	7.3	16	2520
San Juan #11A 1252W	11-30-10	6-19		636	6.4	24	800
San Ray A #1A 1263W	15-30-10	6-19		210	6.2	8	600
Atlantic D Com #5A 1209W	12-30-10	6-19		1493	6.6	16	3000
Bernaghan #4A 1237W	30-31-8	6-19		432	7.3	12	600
Bernaghan #2A 1235W	28-31-8	6-19		190	7.2	16	680
Bernaghan #1A 1234W	33-31-8	6-19		571	6.9	32	800
Walker 1A 1271W	31-31-9	6-19		1664	7.0	32	3520
Atlantic A #8A 1199W	29-31-10	6-19		2637	7.1	152	5560
Atlantic "C" 4A 1200W	31-31-10	6-19		6720	7.7	504	9800
Cott #4A 1258W	17-31-10	6-19		4506	7.0	186	7760
Brookhaven Com A-1 1212W	16-31-10	6-19		3979	6.7	270	6920