4927
30-045-10601

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

Operator MERIDIAN OIL Location: Unit NE Sec. 22 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced ATLANTIC #5

cps 422w

Elevation 6299' Completion Date 5/19/72 Total Depth 500' 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. 240' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 8400 lbs.

Depths anodes placed: 470', 460', 430', 420', 410', 340', 325', 315', 305', 290'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: gb #2 VENT HOSE MAKING WATER. HOLE MAKING GAS.

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

Logged

Drilling Log (Attach Hereto). ☐

Completion Date 5-19-72

Well Name	Location	CPS No.
Atlantic #5	NE 22-31-10	422W
Type & Size Bit Used: 6 3/4"		Work Order No.: 189-52314-50-20

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
500		8400		

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
Anode Depth	470	460	430	420	410	340	325	315	305	290
Anode Output (Amps)	4.0	4.1	4.2	4.0	3.8	3.9	4.5	4.2	4.5	4.0
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 11.2	Amps 16.0	Ohms 0.69		

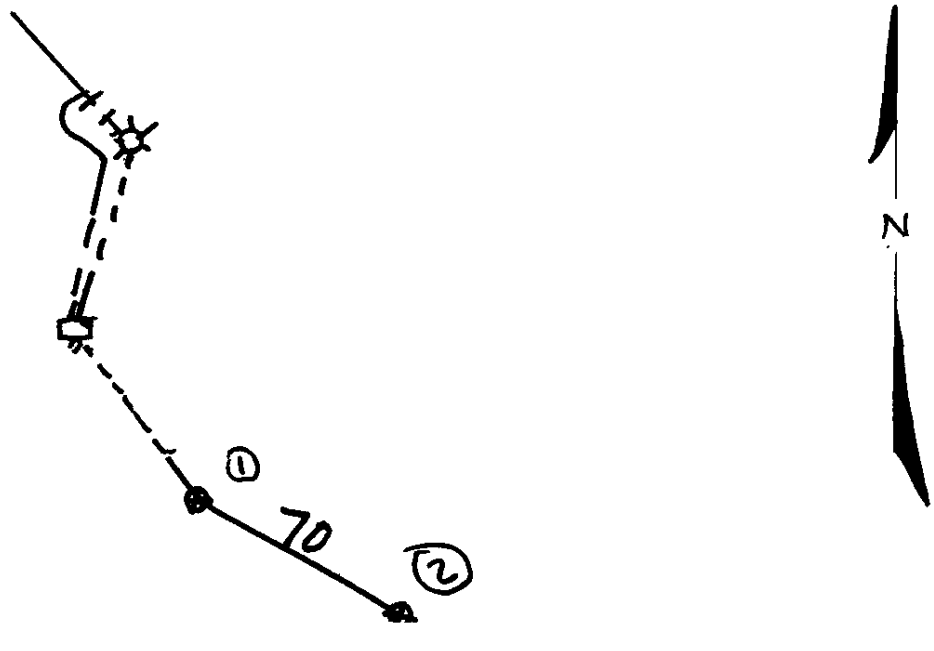
Remarks: Hole Making Gas. Driller said Water at 240 Water Level at 930 A.M. Above 185' — Perforated 300 Vent. Pump 376 Shovels = Est 63 Bags Slurry 125 Shovels Est 21 Bags Est. Total 8400 lbs

NOTE — Vent Hose Making Water —

All Construction Completed

Paulette Daniels
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

22-2 (Rev. 1-61)

C.P.S. # 422 n

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Atlantic WELL NO #5 CONTRACTOR Morrow RIG NO. REPORT NO. DATE 5-19 1972

MORNING

Driller Morrow Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	6	brown clay		
6	140	sand		
140	180	shale		
180	240	dry sand		

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. NO. DC ____ SIZE ____ LENG. ____

SIZE STANDS

TYPE SINGLES

MAKE DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
240	300	sand water		
300	360	shale		
360	420	sand		
420	440	shale		

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. NO. DC ____ SIZE ____ LENG. ____

SIZE STANDS

TYPE SINGLES

MAKE DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
440	460	sand		
460	500	shale		

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. NO. DC ____ SIZE ____ LENG. ____

SIZE STANDS

TYPE SINGLES

MAKE DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Joe Morrow Company Supervisor

EL PASO NATURAL GAS COMPANY

ENGINEERING DEPARTMENT

Sheet ____ of ____
Date: ____
By: ____

422W Atlantic #5 NE 22-31-10 W.O. 52314

Stop Drill 12:00 Midnite
Water Level above 185'
at 9:30 AM - 5-19-72
Perf. 300' Hose

1 40		60	2.45
	2.4		2.3
90	2.6	70	2.3
	2.7		2.3
200	3.25	80	2.25
	3.4		2.65
10	3.3	90	2.60
	3.2		2.9
20	2.1	400	3.15
	1.6		3.5
30	1.4	10	3.8
	1.4		3.65
40	1.4	20	3.9
	1.4		4.0
50	1.3	30	4.0
	1.1		3 +
60	1.2	40	2.7
	.9		3.2
70	.86	50	3.1
	1.3		3.5
80	1.3	60	3.9
	2.16		3.75
90	3.8	70	4.1
	4.0		4.3
300	3.9	80	3
	4.3	82	Bottom
10	4.0	90	
	4.0		
20	4.2	500	
	4.3		
30	3.8		
	3.7		
40	3.5		
	3.2		
50	2.35		
	2.75		

		Log	Wtr.	Coke
1	420	4.1	2.8	4.0 ✓
2	460	3.9	2.9	4.1
3	430	4.0	3.1	4.2 ✓
4	420	3.9	2.9	4.0
5	410	3.8	2.8	3.8 ✓
6	340	3.5	2.9	3.9 ✓
7	325	4.3	3.4	4.5 ✓
8	315	4.0	3.1	4.2 ✓
9	305	4.3	3.4	4.5
10	290	3.8	3.0	4.0

11.2 V 16.0 A 0.69 Ω

Pump 376 shovels = est 375
Slurry

EL PASO NATURAL GAS COMPANY
DEEP GROUNDBED DATA
FARMINGTON, NEW MEXICO AREA
LOG FOR ATLANTIC #5

CPS-422-W

DEPTH FEET	LOGGING CURRENT (AMPS)	BEFORE COKE	AFTER COKE	ANODE NUMBER	DEPTH FEET	LOGGING CURRENT (AMPS)	BEFORE COKE	AFTER COKE	ANOD NUMB
185'	2.4				365'	2.3			
190'	2.6				370'	2.3			
195'	2.7				375'	2.3			
200'	3.25				380'	2.25			
205'	3.4				385'	2.65			
210'	3.3				390'	2.60			
215'	3.2				395'	2.9			
220'	2.1				400'	3.15			
225'	1.5				405'	3.5			
230'	1.4				410'	3.8	2.8	3.8	#5
235'	1.'				415'	3.65			
240'	1.4				420'	3.9	2.9	4.0	#4
245'	1.4				425'	4.0			
250'	1.3				430'	4.0	3.1	4.2	#3
255'	1.1				435'	3.2			
260'	1.2				440'	2.7			
265'	0.9				445'	3.2			
270'	0.85				450'	3.1			
275'	1.3				455'	3.5			
280'	1.3				460'	3.9	2.9	4.1	#2
285'	2.55				465'	3.75			
290'	3.8	3.0	4.0	#10	470'	4.1	2.8	4.0	#1
295'	4.0				475'	4.3			
300'	3.9				480'	3.9			
305'	4.3	3.4	4.5	#9					
310'	4.0								
315'	4.0	3.1	4.2	#8					
320'	4.2								
325'	4.3	3.4	4.5	#7					
330'	3.8								
335'	3.7	2.9	3.9	#6					
340'	3.5	2.9							
345'	3.2								
350'	2.5								
355'	2.25								
360'	2.45								

WELL: Atlantic #5 - CPS Sta. #422W
W.O. #184-52314.19-50-20
LOCATION: N.E. Sec. 22-31N-10W
WATER LEVEL: 240'
DATE INSTALLED: 5-19-72
GROUNDBED: Volts 11.2 - Amps 16
Total Resistance 0.69 Ohms

EL PASO NATURAL GAS CO. ANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-11964
OPERATOR: MERIDIAN OIL
LOCATION: 22-31-10
FIELD: AZTEC
SAMPLED FROM:
DATE SAMPLED: 5/21/86
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: MAY 23,1986
WELL NAME: ATLANTIC #5 CPS 422W
COUNTY SAN JUAN STATE: NEW MEXICO
FORMATION: MESA VERDE

SECURED BY: MIKE WILLIAMS
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO3	AS ION	epm
TOTAL ALKALINITY	50	1.7	34		
P ALKALINITY	50	0	0		
BICARBONATE	50	1.7	34	41	0.68
CARBONATE	50	0	0	0	0.00
CHLORIDE	50	1.3		26	0.73
SULFATE				3707	77.11
TOTAL HARDNESS	10	10.05	1005		
CALCIUM	10	9.55	955	382	19.10
MAGNESIUM	10	.5	50	12	1.01
IRON					
SODIUM (CALCULATED)				1343	58.41
H2S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				5800	
pH				6.9	
SPECIFIC GRAVITY			1.005 AT 75F		
RESISTIVITY			139 OHM-CM AT 25C		
CONDUCTIVITY			7200 MICROMHOS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

cc: R. A. ULLRICH
J. D. EVANS
J. L. GREEN
W. F. LORETT
FILE

DENNIS BIRD
CHEMIST GCK