

#70 = 30-039-07131
#176 = 30-039-20812

5185

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

Operator MERIDAIN OIL Location: Unit NE Sec. 8 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #70, #176

cps 744w

Elevation 6617' Completion Date 10/8/76 Total Depth 350' 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. WET AT 60'

Depths gas encountered: N/A

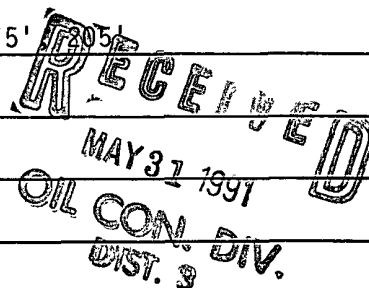
Type & amount of coke breeze used: 55 SACKS

Depths anodes placed: 350', 335', 305', 295', 285', 275'

Depths vent pipes placed: N/A

Vent pipe perforations: 255'

Remarks: gb #2



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

logged

Drilling Log (Attach Hereto). ☐

Completion Date **10-8-76**

Well Name 27-5-#60-70 27-5-#176		Location NE 8-27-5		CPS No. 744 W	
Type & Size Bit Used 6 3/4				Work Order No. 54185	
Anode Hole Depth Log 398	Total Drilling Rig Time	Total Lbs. Coke Used 55 Sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 350	# 2 335	# 3 305	# 4 295	# 5 285	# 6 215
# 7 205	# 8	# 9	# 10		
Anode Output (Amps)					
# 1 2.1	# 2 2.4	# 3 3.3	# 4 3.9	# 5 3.8	# 6 3.2
# 7 2.7	# 8	# 9	# 10		
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 12.2	Amps 12.2	Ohms 1.0			

Remarks: **#1 ANODE COVERED CAVEIN @ ABOUT 150'**
WENT BACK AND WASHED OUT PLUG - CONTINUED
COKEING. 55 Sacks SLURRY

DRILLER SAID WET @ 60'
VENT PERF 255'

All Construction Completed

C.W. Hines
(Signature)

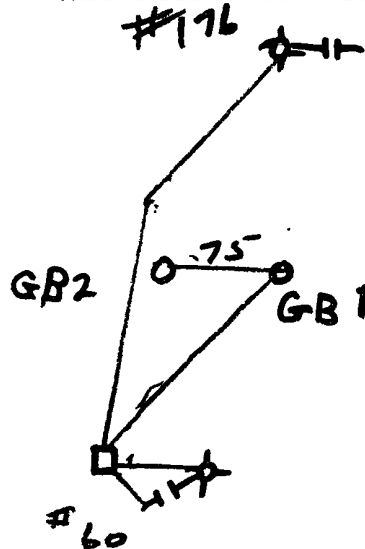
2,648.00
230.40 Depth +
29.75 Surf. Cable
86.00 Add'l Anode Cable
60.00 " " " "

3,054.15
122.16 TAX

3,176.31
330.00 COKE
113.70 INSP.
50.00 Misc.

3,769.71 TOTAL

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

NEW CONTRACT

27-5-#60
27-5-#176
744WNE8-27-5 54185-
744W

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	O 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

200	1.1	-	Blew w/ r. out at 200'
10	9	-	
20	7	-	
30	6	-	
40	3	-	
50	5	-	
60	5	-	
70	4	-	
80	1.5	-	
90	1.4	-	
300	15	-	
10	7	-	
20	6	-	
30	1.0	-	
40	8	-	
50	1.1	-	
60	6	-	
70	5	-	
80	4	-	
90	4	-	
400	398 TD	-	
No. 1 ANODE RESPONDED BEFORE #2 CAME UP SOMETHING SIZED THE CABLES. I BELIEVE THE HOLE CAVED IN. I BELIEVE THERE WAS ENOUGH COKE DOWN HOLE TO MAKE #2 COME FROM 1.2 TO 1.8. WE RAN ANODE DOWN HOLE TO THE PLUG @ 154'			
12.2 V = 1.2 12.2 A 255' VENT PIPE			

1	350	1.2	2.5	2.0
2	335	1.2	1.8	2.0
3	305	1.3	1.6	3.0
4	295	1.5	2.0	3.0
5	285	1.6	1.7	3.0
6	275	1.3	1.3	3.0
7	205	1.0	1.2	2.0

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE 9-8-1976

MORNING

DAYLIGHT

EVENING

Driller

Total Men In Crew

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.

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 6 3/4 RT	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.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
220-	228	Sh + SS	260-	288	SS			
228-	242	SS	288-	309	Sh			
242-	251	S	309-	338	SS			
251-	256	Sh	338-	345	Silt + Sh			
256-	257	S	345-	366	SS			
257-	260	Sh	366-	368	Sh			

REMARKS -

REMARKS -

REMARKS -

Hole drilled to 400'
Hole logged to 398'

SIGNED: Toolpusher

Company Supervisor