

932

87 -

30-039-20471

E

30 -

30-039-07396

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 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #30 #87

cps 1125w

Elevation 6684' Completion Date 10/5/77 Total Depth 240' 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. 80'

Depths gas encountered: N/A

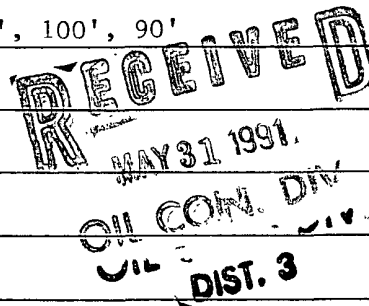
Type & amount of coke breeze used: 36 SACKS

Depths anodes placed: 210', 170', 140', 130', 120', 100', 90'

Depths vent pipes placed: 215'

Vent pipe perforations: 180'

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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date **0075-1977**

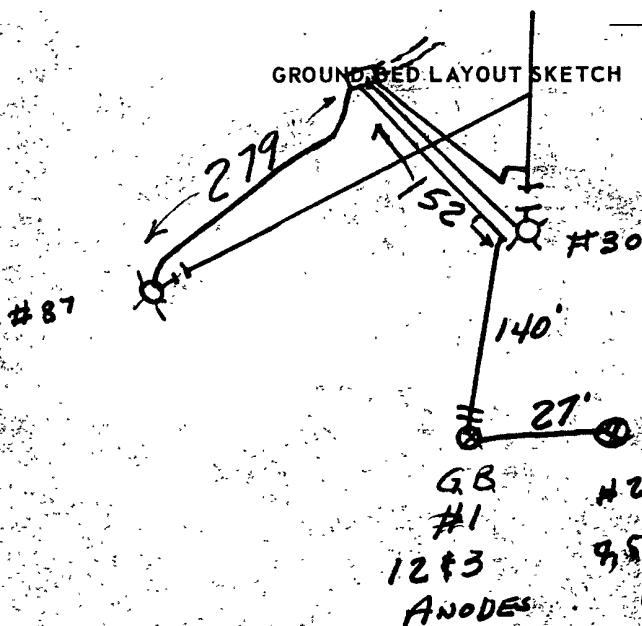
Well Name SJ, 28-5#30 & #87				Location NE 22-28-5				CPS No. 1125W	
Type & Size Bit Used 6 3/4								Work Order No. 53545.19 & 54986.1	
Anode Hole Depth 290		Total Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used		No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9
	255	240	230	210	170	140	130	120	100
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9
	3.1	3.8	3.3	3.3	3.3	3.0	4.8	4.3	3.4
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19
Total Circuit Resistance		Volts		Amps		Ohms		No. 8 C.P. Cable Used	
		11.7		17.3		0.67			
								No. 2 C.P. Cable Used	

Remarks: **STATIC #30, 600' N = 70 #87, 600' NE = 73 GRAPHITE ANODE**
DRILL TO 300 LOG 290 - HOLE CAVED AFTER 3 ANODES RESPONDES
DRILL NEW HOLE TO 240 LOG 233 - INSTALL 7 ANODES
VENT TO HOLE #1 TO 260 PERF. 200 - HOLE #2 TO 215 PERF. 180
DRILLER SAID WATER AT 80' EACH HOLE
JUNCTION BOX ON HOLE #1 SLURRY 56 COKE IN HOLE #1, 36 COKE IN HOLE #2

60-30 RECT.
STUB POLE

All Construction Completed

Sanchez
(Signature)



DISTRIBUTION:

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

Use 84

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

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

1125W

Static #30 = 600' N = 70

H 87.600' NE = 73

80	1.2	280	.6		
	1.3		.6		
90	1.4	90	290 T.D.		
	1.9				
100	1.3	300			
	.9				
10	.8				
	.8				
20	2.0				
	2.2				
30	2.0				
	2.0				
40	1.8				
	1.4				
50	.6				
	1.0				
60	.4				
	.4				
70	1.7				
	1.6				
80	.8				
	.6				
90	.8				
	.6				
300	.5				
	.5				
10	1.6				
	1.5				
20	1.3				
	1.2				
70	1.5				
	1.8				
40	1.6				
	1.3				
50	1.3				
	1.4				
60	1.5				
	1.7				
70	1.3				
	.8				

VENT to 260
Per F 200Hole CRUED
After 3 strokes
HAD Responses
to Cuts

56 COKE TOTAL

HOLE #1

1	255	1.5	8.7	31
2	240	1.8	3.2	38
3	230	1.6	3.1	33
	218			
4	170	2.1		
5	145			
6	135			
7	125			
8	100			
9	90			
10	80			

DAILY DRILLING REPORT

LEASE			WELL NO. 112540			CONTRACTOR Posey Drilling Co			RIG NO.			REPORT NO.			DATE Sept 30			1977		
MORNING					DAYLIGHT					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.						
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								
0	4	SURFACE			100	120	SANDY SHALE			220	240	SHALE								
4	20	SANDY CLAY			120	140	SHALE			240	260	SANDY SHALE								
20	40	SILT			140	160	SANDY SHALE			260	280	SHALE								
60	80	SANDY SHALE			160	180	SHALE			280	300	SANDY SHALE								
60	80	SAND WET (MAKING WATER)			180	200	SAND													
80	100	SANDSTONE			200	220	SANDY SHALE													
REMARKS -					REMARKS -					REMARKS -										
					HOLE #1					DRILLED 300										
										Logged 290										
										TD 295										

SIGNED: Toolpusher

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

1125W HOLE#2

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
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34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

DRILLER SAID NET
at 80' Dr. 11 to 10.20
Blew Air Down Next AM
20-30 Feet
STUB POLE
GRAPHITE RODS

80 1.0
1.2
90 1.2 -
1.9
100 1.4 -

VENT TO 215
Perf 180

10 .9
7
5
20 2.2
2.2

Slurry 365x

30 2.1
2.1
40 1.7 -
1.2
50 1.0

31
38
33

.9
50 1.5
6
70 2.0 -
1.7

4	210	2.1	3.8
5	170	2.1	3.3
6	140	1.8	3.0
7	130	2.1	4.8
8	120	2.4	4.3
9	100	1.9	3.4
10	90	1.7	3.0

80 .8
.8
90 .9
.6
200 5

69

10 1.8 -
1.6
20 1.5
1.2

173 11.7V 17.3A 20.67
1.0 38
1.330
1.284
10 60

30 233 T.D.

40

DAILY DRILLING REPORT

[illegible]

Company Supervisor **B**