

954 #8 Pre-ONGARD Well → 30-039-073948
#76 30-039-20107

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. 21 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #8, #76

cps 1124w

Elevation 6636' Completion Date 10/7/77 Total Depth 400' 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. 180'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 50 SACKS

Depths anodes placed: 365', 355', 305', 295', 285', 275', 265', 240', 230', 220'

Depths vent pipes placed: 380' OF 1" PVC VENT PIPE

Vent pipe perforations: 280'

Remarks: gb #1

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 10-7-77

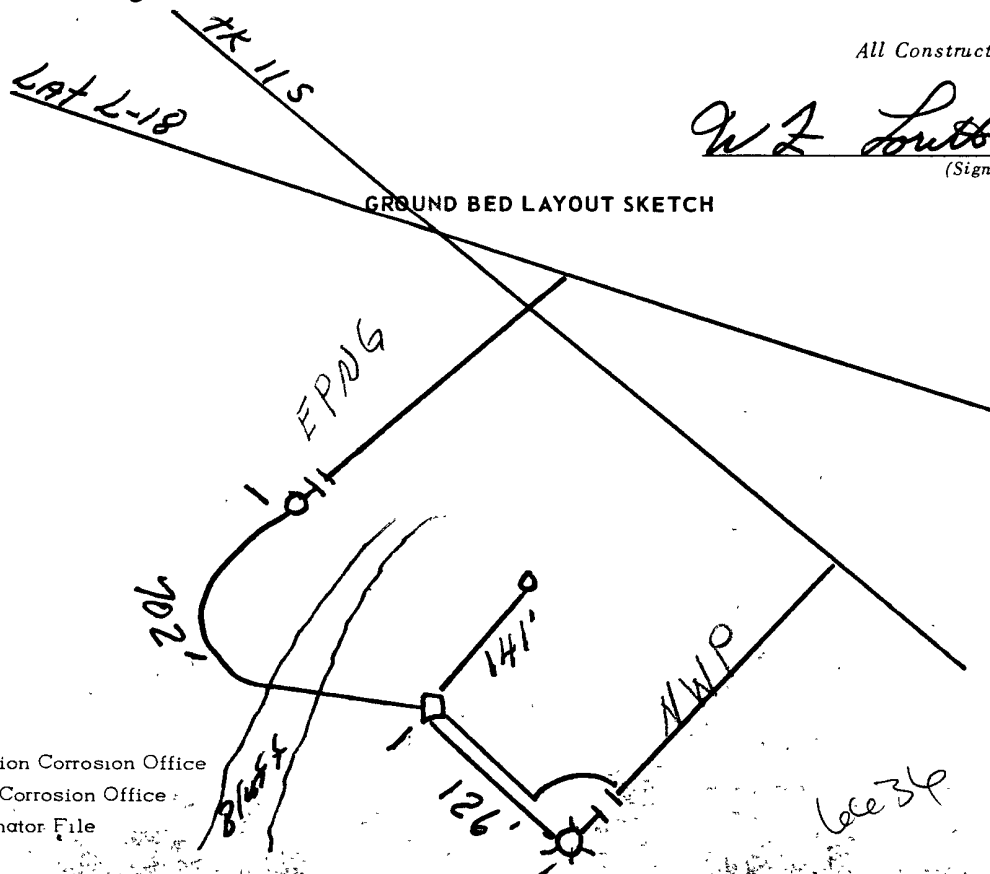
Well Name SANTUAN 28-5 UNIT #8		Location NE 21-28-5		CPS No. 1124W	
Type & Size Bit Used 6 3/4"				Work Order No. #8 = 52578.19 #76 = 54556.19	
Anode Hole Depth 400 Logged 389	Total Drilling Rig Time	Total Lbs. Coke Used 50	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 365	# 2 355	# 3 305	# 4 295	# 5 285	# 6 275
# 7 265	# 8 240	# 9 230	# 10 220		
Anode Output (Amps)					
# 1 3.0	# 2 2.9	# 3 3.1	# 4 4.4	# 5 4.5	# 6 4.1
# 7 4.0	# 8 3.4	# 9 3.1	# 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 10.7		Amps 15.9		Ohms 0.67	

Remarks: Static #8 600' S.W. = 0.78, Static #76 600' W = 0.72
Installed 10-2"x2"x48" Graphite Anodes. Driller said MAKING
Water @ 180'. Drilled to 200'. Next AM blew water. Perforated 280' o
1" PVC Vent Pipe. Installed 380' of 1" PVC Vent Pipe. Slurried
50 Sacks of Coke. #76 MARKED 1 notch & #8 MARKED 3 notches.
Installed 600 30 A Rectifier & Stub Pole

All Construction Completed

W L Lutz
(Signature)

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: _____

SAN JUAN 28-5 UNIT #8

52578.19

SAN JUAN 28-5 UNIT #76

NE 21-28-5

1124W

54356.19

Static #8 600' SW = 0.78

Static #76 600' West = 0.72

10-2" x 2" x 48" Graphite Anodes

60V 30A Rectifier

Stub Pole

DRILLER SAID MAKING WATER 180'

Drilled to 200' Next AM blow water

Perforated 280' 0.5" PVC Vent Pipe

Installed 2380' 1.0" PVC Vent Pipe

Shipped SACKS OF COKE

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

200	1.5	—	60	1.4	
	1.3			1.5	①
10	1.5	—	70	1.3	
	2.1			1.4	
20	1.8	⑩	80	1.0	
	1.5	⑨		.6	
30	1.5	⑨	389	TD	
	1.8	⑨			
40	1.5	⑧	400		
	1.1				
50	.9				
	.7				
60	.7				
	1.7	⑦			
70	1.8				
	1.2	⑥			
80	1.9	—			
	1.6	⑤			
90	1.5	—			
	1.6	④			
300	1.5				
	1.4	③			
10	1.3	—			
	.3				
20	.2				
	.3				
30	.2				
	.3				
40	.2				
	.2				
50	1.0				
	1.3	②			

①	365	1.7	3.0
②	355	1.6	2.9
③	305	1.6	3.1
④	295	2.1	4.0
⑤	285	2.1	4.5
⑥	275	2.1	4.1
⑦	265	2.1	4.0
⑧	240	1.7	3.4
⑨	230	1.7	3.1
⑩	220	2.0	3.2

15.9 AMPS
10.7 VOLTS
0.67 OHMS

DAILY DRILLING REPORT

LEASE					WELL NO. 1124 W					CONTRACTOR Possey Drilling Co.					RIG NO.					REPORT NO.					DATE 10-7					19 77				
MORNING										DAYLIGHT										EVENING														
Driller					Total Men In Crew					Driller Albert L. Possey					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.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.										
										T.D. 394 ft																								
NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____														
NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____					NO. DC ____ SIZE ____ LENG. ____														
STANDS					STANDS					STANDS					STANDS					STANDS														
SINGLES					SINGLES					SINGLES					SINGLES					SINGLES														
DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY														
TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH					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.			Time	Wt.	Vis.			Time	Wt.	Vis.												
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN																						
10	10	Surface			60	80	Wet Sand			145	184	Sandstone																						
10	10	Surface			80	110	Shale			184	200	Sand Wet <u>MW</u>																						
10	10	Surface			110	115	Sandstone			200	235	Shale																						
10	30	Surface			115	140	Shale			235	255	Red shale																						
10	30	Sandstone			140	145	Sand Wet			255	274	Sandy Shale																						
30	60	Sandy Shale			145	165	Red Shale			274	315	Blue Shale																						
REMARKS -					REMARKS -					REMARKS -																								
Making Water 184-200 Injected - 220 ft.					Drilled 400 ft					315-335 Red shale																								
					Logged 389					335-342 Sandy Shale																								
					T.D. 394					342-355 Blue Shale																								
										355-365 Sand shale																								
										365-400 Shale																								

SIGNED: Toolpusher

Company Supervisor