

30-039-07598

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. 20 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #49

cps 293w

Elevation 6390' Completion Date 5/29/74 Total Depth 580' 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. 60'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

IL CON. DIV
DIST. 3

Type & amount of coke breeze used: N/A

Depths anodes placed: 500', 490', 450', 440', 415', 395', 385', 370', 325', 315'

Depths vent pipes placed: N/A

Vent pipe perforations: 460'

Remarks: qb #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

Drilling Log (Attach Hereto). ☐

Completion Date **5-29-74**

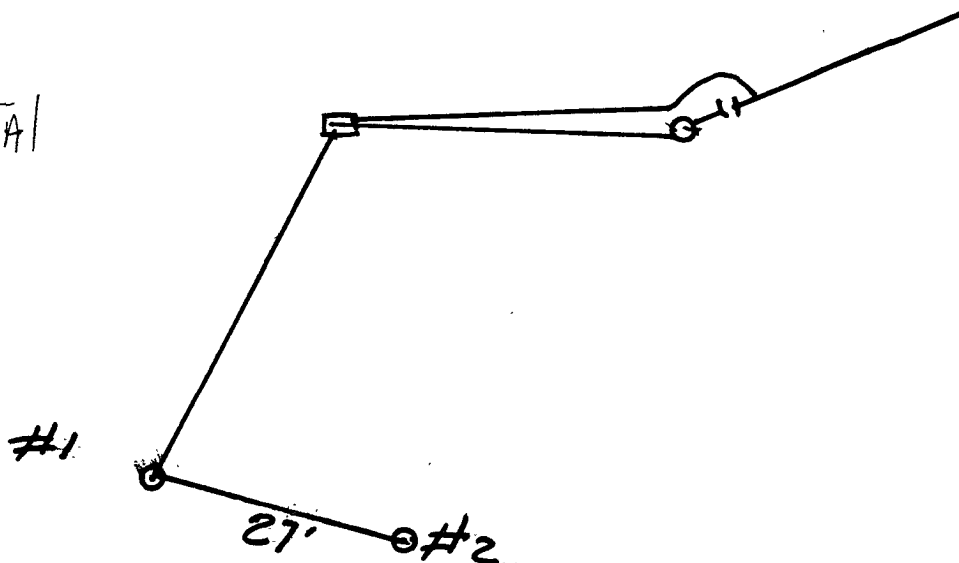
Well Name S.J. 29-7 #49		Location NE 20-29-7		CPS No. 293W	
Type & Size Bit Used 6 3/4				Work Order No. 40020.01-50-20	
Anode Hole Depth 580	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 500	# 2 490	# 3 450	# 4 440	# 5 415	# 6 395
# 7 385	# 8 370	# 9 325	# 10 315		
Anode Output (Amps)					
# 1 3.0	# 2 2.6	# 3 2.1	# 4 2.2	# 5 1.8	# 6 1.8
# 7 1.9	# 8 1.6	# 9 2.6	# 10 2.7		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance			No. 8 C.P. Cable Used		
Volts 11.5	Amps 10.0	Ohms 1.15	32'		No. 2 C.P. Cable Used

Remarks: Driller said water at 60' - Old GND BED, Top anode at 66' Bottom anode at 92'. Helped to water old GND BED Didn't think enough water, Told to Go Deeper Vent Perforated 460' - Pumped 2 loads water Anodes Covered, Went after another load of water Contr said would Pump to 60' of Surface left location to make anodes

All Construction Completed

Sanels
(Signature)

GROUND BED LAYOUT SKETCH



\$3,409.00
12.80
\$3,421.80
187.50 x Depth
\$3,609.30
144.37 TAX
\$3,753.67 TOTAL

STORM WATER WELL DRILLING INC.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9505

GENERAL OFFICE
14991 W. 44TH AVENUE
BAILEY OFFICE
CALL 1-838-4821

Drill Portadrill

Owner C.P.S.

Location
City _____ State N.M. County _____

293 W
C.P.S.

Tue
Date 5-28-74

From	To	Formation	Color	Hardness
0	20	SAND	TAN	Soft
20	50	SAND	TAN	Firm
50	60	SAND	TAN "Wet"	
60	100	Shale	Gray	Med
100	130	SAND	Gray	Med
130	170	SANDY Shale	Gray	Med
170	255	SAND	Gray	Med
255	310	SAND	Gray	Hard
310	320	Shale SANDY	Gray, Green	Med
320	430	SAND	Gray	Med
430	440	Shale	Gray	Med
440	510	Sandstone	Gray	Firm
510	540	Shale	Gray Green	Med
		Water @ 60 ft.		
540	580	Sandstone w/ coal str.	Gray	Med

Total Hours _____

Equipment Down Time _____

Hours Drilling 13

Driller Bob RUPP

Helper RAY

Helper AI

C.P.S. Time _____

S.W.W.D.I. Time _____

Total Footage 580

Approval of
C.P.S. Engineer _____

293W $\lambda = 5.2$

560
3.5
245

MW	gas/mol
18	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	C ₄ 12.38
72	C ₅ 11.93
86	C ₆ 13.85
100	C ₇ 13.71
114	C ₈ 15.50
128	C ₉ 15.57
142	C ₁₀ 17.46
156	C ₁₁ 19.38
170	C ₁₂ 19.64
184	C ₁₃ 21.67

MISC

MW	gas/mol
44	CO ₂ 5.38
58	H ₂ S 5.17
28	N ₂ 4.16
2	H ₂ 3.38

60	2.0	90	1.4	420	7	Driller said water at 60' Top anode on old GRO BED at 66' - Bottom. Helped to water old G. Don't think enough water. Told to go deeper.			
	2.0		1.3		6				
20	2.2	50	7	30	6				
	2.2		3		6	Vent Perf 460 Pumped 2 loads water Anodes gone after another load covered left loc. to make one Cov. Said would pump to 60' of surface			
80	2.2	60	2	40	9				
	2.0		2		1.0				
90	1.8	20	2	50	.8				
	1.7		2		7				
100	1.6	30	2	60	8				
	1.6		3		8				
10	1.5	90	2	70	7				
	1.4		2		6				
20	1.8	300	3.4	80	.6				
	2.0		6.4		7				
30	1.5	10	1.0 .6	90	1.0				
	1.0		1.2 .9		1.4				
40	1.2	20	1.0 1.2	500	1.5				
	.6		5 1.0		9	1	500	1.5	1.5 3.0
50	6	30	6.5	10	7	2	490	1.0	1.8 2.6
	5		6 .6		6	3	450	.8	1.0 2.1
60	4	40	5 .6	20	.6	4	440	.9	1.0 2.2
	3	TD	5 .6		.6	5	415	.8	.9 1.8
70	2	50	.6	30	7	6	395	.8	.9 1.8
	3		5		7	7	385	1.0	1.0 1.9
80	3	60	5	40	7	8	370	.8	.8 1.6
	2		7		7	9	325	1.0	1.2 2.6
90	4	70	8	50	7	10	315	.9	1.2 2.7
	3		6		7	11.5V 10.0A = 1.15W			
200	2	80	8	60	8				
	2		1.0	TD	8				
10	2	90	9	70					
	3		8						
20	4	400	7	80					
	3		7						
30	4	10	7						
	4		8						