

76R- 30-039-20319
511 - 30-039-24378
126- 30-039-23774

4607

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

Operator MERIDIAN OIL Location: Unit SW Sec. 18 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #126, #511, #76R

cps 84w

Elevation 6910' Completion Date 10/20/71 Total Depth 620' 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. 174'

Depths gas encountered: N/A

Type & amount of coke breeze used: 9600 lbs.

Depths anodes placed: 570', 560', 550', 540', 530', 520', 475', 465', 455', 445'

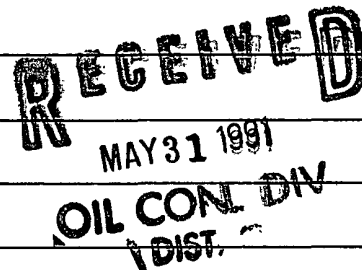
Depths vent pipes placed: 570'

Vent pipe perforations: 423'

Remarks: qb #2 LOST HOLE #1 AT 520'. #1 ANODE NO RESPONSE TO COKE.

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

1971

Drilling Log (Attach Hereto). ☐

Completion Date 10-20-71

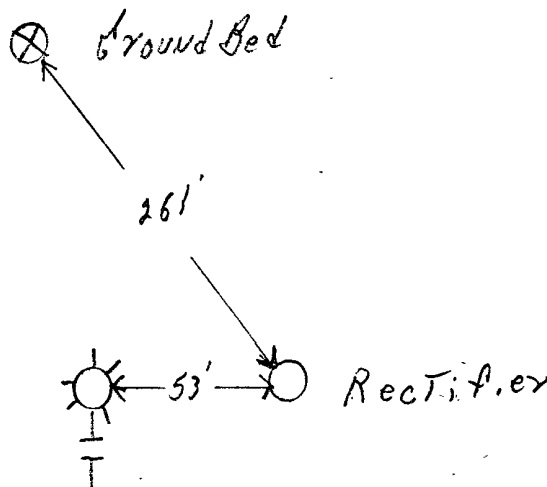
Well Name <u>SAN JUAN 29-7 No. 76V</u>		Location <u>SW 18-29N-7W</u>		CPS No. <u>84W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>184-54766-50-20</u>	
Anode Hole Depth <u>620'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>9600</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>570</u>	# 2 <u>560</u>	# 3 <u>550</u>	# 4 <u>540</u>	# 5 <u>530</u>	# 6 <u>520</u>
# 7 <u>475</u>	# 8 <u>465</u>	# 9 <u>455</u>	# 10 <u>445</u>		
Anode Output (Amps)					
# 1 <u>1.85</u>	# 2 <u>2.70</u>	# 3 <u>3.7</u>	# 4 <u>3.5</u>	# 5 <u>3.1</u>	# 6 <u>3.0</u>
# 7 <u>2.8</u>	# 8 <u>3.1</u>	# 9 <u>3.3</u>	# 10 <u>3.7</u>		
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 <u>11.3</u>	Amps <u>13.5</u>	Ohms <u>0.832</u>			

Remarks: 10-17-71 Driller Drilled To 500' Logged Hole NOT
Enough Room. Driller Switched To Mud Had Lost Circulation
Drilled To 520' Lost Drilling Bit In Hole. Moved R.g
Over and Drilled Hole #2. Vent Hose Perforated 423' To #1AN
Note: #1 Anode No Response To Coke Breeze. Contractor Had
Not Marked Pumping Hose Correctly Bottom of Pumping Hose
was 15' Above #1 Anode. Pumped 385 Shovels = 55 Sacks Complete.
By Slurry. Driller Blew water out of Hole
AT 174'. Note: Positive and Negative
Cables Not Installed
To Be Installed Later By Dozer

All Construction Completed

Paul H
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

CP# 84W
LEASE *San Juan 29-7* WELL NO. *764* CONTRACTOR *Morrow* RIG NO. REPORT NO. DATE *10-20* 1971
MORNING DAYLIGHT EVENING

Driller <i>Holland</i> 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.
10	15	sand stone			90	120	sand			230	410	sand		
15	30	shale			120	150	shale			410	580	sandy shale & sand		
30	50	sand			150	170	sand wet water			580	620	sand		
50	90	shale			170	230	shale							

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		SERIAL NO.		STANDS
SIZE		SINGLES		SIZE		SINGLES		SIZE		SINGLES		SIZE		SINGLES
TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY
MAKE		TOTAL DEPTH		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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
	lost hole #1 @ 520 ft. moved over drilled new hole to 620 ft. 17 hrs drilling time	

SIGNED: Toolpusher

Joe Morrow

Company Supervisor

84 W
SAN JUAN 29-7 #764
Hole #2

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.46
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₇ 17.45
142	C ₈ 19.38
156	C ₉ 21.34
170	C ₁₀ 23.31
184	C ₁₁ 25.28
198	C ₁₂ 27.25
212	C ₁₃ 29.22
226	C ₁₄ 31.19
240	C ₁₅ 33.16
254	C ₁₆ 35.13
268	C ₁₇ 37.10
282	C ₁₈ 39.07
296	C ₁₉ 41.04
310	C ₂₀ 43.01
324	C ₂₁ 44.98
338	C ₂₂ 46.95
352	C ₂₃ 48.92
366	C ₂₄ 50.89
380	C ₂₅ 52.86
394	C ₂₆ 54.83
408	C ₂₇ 56.80
422	C ₂₈ 58.77
436	C ₂₉ 60.74
450	C ₃₀ 62.71
464	C ₃₁ 64.68
478	C ₃₂ 66.65
492	C ₃₃ 68.62
506	C ₃₄ 70.59
520	C ₃₅ 72.56
534	C ₃₆ 74.53
548	C ₃₇ 76.50
562	C ₃₈ 78.47
576	C ₃₉ 80.44
590	C ₄₀ 82.41
604	C ₄₁ 84.38
618	C ₄₂ 86.35
632	C ₄₃ 88.32
646	C ₄₄ 90.29
660	C ₄₅ 92.26
674	C ₄₆ 94.23
688	C ₄₇ 96.20
702	C ₄₈ 98.17
716	C ₄₉ 100.14
730	C ₅₀ 102.11
744	C ₅₁ 104.08
758	C ₅₂ 106.05
772	C ₅₃ 108.02
786	C ₅₄ 110.00
800	C ₅₅ 111.97
814	C ₅₆ 113.94
828	C ₅₇ 115.91
842	C ₅₈ 117.88
856	C ₅₉ 119.85
870	C ₆₀ 121.82
884	C ₆₁ 123.79
898	C ₆₂ 125.76
912	C ₆₃ 127.73
926	C ₆₄ 129.70
940	C ₆₅ 131.67
954	C ₆₆ 133.64
968	C ₆₇ 135.61
982	C ₆₈ 137.58
996	C ₆₉ 139.55
1010	C ₇₀ 141.52
1024	C ₇₁ 143.49
1038	C ₇₂ 145.46
1052	C ₇₃ 147.43
1066	C ₇₄ 149.40
1080	C ₇₅ 151.37
1094	C ₇₆ 153.34
1108	C ₇₇ 155.31
1122	C ₇₈ 157.28
1136	C ₇₉ 159.25
1150	C ₈₀ 161.22
1164	C ₈₁ 163.19
1178	C ₈₂ 165.16
1192	C ₈₃ 167.13
1206	C ₈₄ 169.10
1220	C ₈₅ 171.07
1234	C ₈₆ 173.04
1248	C ₈₇ 175.01
1262	C ₈₈ 176.98
1276	C ₈₉ 178.95
1290	C ₉₀ 180.92
1304	C ₉₁ 182.89
1318	C ₉₂ 184.86
1332	C ₉₃ 186.83
1346	C ₉₄ 188.80
1360	C ₉₅ 190.77
1374	C ₉₆ 192.74
1388	C ₉₇ 194.71
1402	C ₉₈ 196.68
1416	C ₉₉ 198.65
1430	C ₁₀₀ 200.62

MW	MISC	gas/mol
44	CO ₂	4.18
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

150	20	90	1.10	Driller said blew water out at Hole @ 174'			
			1.0	Depth	Water	Coke	
60	30	500	.80	1	570	1.85	1.85
			.82	2	560	1.70	2.70
70	40	10	1.08	3	550	2.1	3.70
			1.68	4	540	1.97	3.50
80	50	20	1.78	5	530	1.74	3.10
			1.45	6	520	1.80	3.0
90	60	30	1.55	7	475	1.59	2.9
			1.72	8	465	1.65	3.1
200	70	40	1.90	9	455	1.93	3.3
			1.88	10	445	2.1	3.7
10	80	50	1.74				
			2.0	11.3V	13.5A	0.83A	
20	90	60	1.72				
			1.62	Vent Perforated			
30	400	70	1.75	423	To #1 Annulus		
	.52		1.72				
40	10	80	1.75	Pumped 385 Shovels			
	.54		2.0	= 55 Sacks Completed			
50	20	90	-	By slurry			
	.90	594	BOTTOM				
60	30	600					
	.52						
70	40	10					
	2.0						
80	50	20					
	1.75						
	1.85						
90	60						
	1.82						
	1.55						
300	70						
	1.65						
	1.58						
10	80						
	1.18						
	1.30						