

947

#72 30-039-07387
 #145 30-039-20154
 #456 30-039-24912

E

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 19 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #72, #145, #456

cps 1159w

Elevation 6618' Completion Date 7/11/77 Total Depth 700' 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. 565'

Depths gas encountered: N/A

Type & amount of coke breeze used: 82 SACKS

Depths anodes placed: 619', 613', 607', 601', 595', 589', 583', 577', 571', 565'

Depths vent pipes placed: 625'

Vent pipe perforations: 500'

Remarks: gb #1 & gb #2

RECEIVED
 MAY 31 1981
 OIL CON. DIV.
 DIST. 3

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 7-11-77

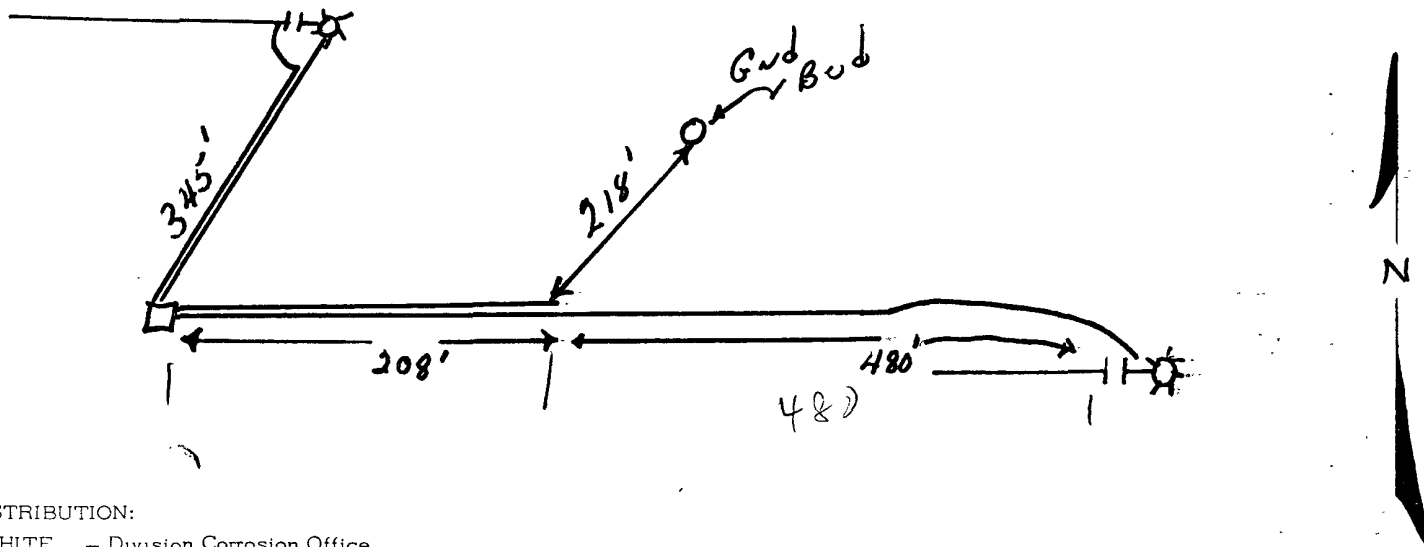
Well Name <u>SAN JUAN 28-6 Unit # 72</u> <u>SAN JUAN 28-6 Unit # 145</u>		Location <u>NE 19-28-6</u>		CPS No. <u>1159 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>#72 = 40168</u> <u>#145 = 54561</u>	
Anode Hole Depth <u>700 - 643</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>82</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>619</u>	# 2 <u>613</u>	# 3 <u>607</u>	# 4 <u>601</u>	# 5 <u>595</u>	# 6 <u>589</u>
# 7 <u>583</u>	# 8 <u>577</u>	# 9 <u>571</u>	# 10 <u>565</u>		
Anode Output (Amps)					
# 1 <u>1.5</u>	# 2 <u>2.6</u>	# 3 <u>3.1</u>	# 4 <u>3.4</u>	# 5 <u>3.5</u>	# 6 <u>3.0</u>
# 7 <u>1.8</u>	# 8 <u>2.1</u>	# 9 <u>1.6</u>	# 10 <u>1.0</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>12.2</u>	Amps <u>8.5</u>	Ohms <u>1.44</u>			

Remarks: Static Unit #72-600'S = 0.73. Static Unit #145-600'W = 0.74
Anodes installed @ 6' centers to get all anodes below water level
Drilled to 700'. Started making some water @ 565. After
2 days water level standing @ 562'. Perforated 500' of 1"
PVC Vent Pipe. Installed 625' of 1" PVC Vent Pipe.
Slurried 82 sacks of coke.

All Construction Completed

W. L. Lott
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6618

SAN JUAN 28-6 UNIT #72 NE 19-28-6
" " 28-6 UNIT #145

1159W

40168
54561

MW	gas/mol
16 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	17.2
156 C ₁₁	17.46
170 C ₁₂	19.38
184 C ₁₃	19.64
198 C ₁₄	19.67

100	80	60	STATIC #72 600'S = 0.73
10	90	70	STATIC #145 600' W = 0.74
20	300	80	Perforated 500' of 1" PVC vent pipe Installed 625' of 1" PVC vent pipe Drilled to 700'. Started making some water @ 565 After 2 days water standing @ 562'
30	10	90	
40	20	500	1.0
50	30	10	.9
60	40	20	.6
70	50	30	.5
80	60	40	1.0
90	70	50	1.1
100	80	60	1.5
110	90	70	1.6
120	100	80	1.7
130	110	90	1.8
140	120	100	1.9
150	130	110	2.0
160	140	120	2.1
170	150	130	2.2
180	160	140	2.3
190	170	150	2.4
200	180	160	2.5
210	190	170	2.6
220	200	180	2.7
230	210	190	2.8
240	220	200	2.9
250	230	210	3.0
260	240	220	3.1
270	250	230	3.2
280	260	240	3.3
290	270	250	3.4
300	280	260	3.5
310	290	270	3.6
320	300	280	3.7
330	310	290	3.8
340	320	300	3.9
350	330	310	4.0
360	340	320	4.1
370	350	330	4.2
380	360	340	4.3
390	370	350	4.4
400	380	360	4.5
410	390	370	4.6
420	400	380	4.7
430	410	390	4.8
440	420	400	4.9
450	430	410	5.0
460	440	420	5.1
470	450	430	5.2
480	460	440	5.3
490	470	450	5.4
500	480	460	5.5
510	490	470	5.6
520	500	480	5.7
530	510	490	5.8
540	520	500	5.9
550	530	510	6.0
560	540	520	6.1
570	550	530	6.2
580	560	540	6.3
590	570	550	6.4
600	580	560	6.5
610	590	570	6.6
620	600	580	6.7
630	610	590	6.8
640	620	600	6.9
650	630	610	7.0
660	640	620	7.1
670	650	630	7.2
680	660	640	7.3
690	670	650	7.4
700	680	660	7.5
710	690	670	7.6
720	700	680	7.7
730	710	690	7.8
740	720	700	7.9
750	730	710	8.0
760	740	720	8.1
770	750	730	8.2
780	760	740	8.3
790	770	750	8.4
800	780	760	8.5
810	790	770	8.6
820	800	780	8.7
830	810	790	8.8
840	820	800	8.9
850	830	810	9.0
860	840	820	9.1
870	850	830	9.2
880	860	840	9.3
890	870	850	9.4
900	880	860	9.5
910	890	870	9.6
920	900	880	9.7
930	910	890	9.8
940	920	900	9.9
950	930	910	10.0
960	940	920	10.1
970	950	930	10.2
980	960	940	10.3
990	970	950	10.4
1000	980	960	10.5

MW	MISC	gas/mol
44 CO ₂	0.38	
34 H ₂ O	0.17	
28 N ₂	0.16	
2 H ₂	0.38	

625
565
577
583
589
595
601
607
613
619

401.7
643 T.D.
50
4" 2" 1"

1.5 1.4 ① 619-.9
60 2.6 2.6 ② 613-1.5
70 3.2 3.1 ③ 607-2.1
80 3.4 3.4 ④ 601-2.1
90 3.5 3.5 ⑤ 595-1.8
100 3.2 3.0 ⑥ 589-1.7
110 1.9 1.8 ⑦ 583-1.1
120 2.1 2.1 ⑧ 577-1.1
130 1.6 1.6 ⑨ 571-.9
140 1.0 1.0 ⑩ 565-.7

12.2 Volts 8.5 Amps 1.44 ohms

DAILY DRILLING REPORT

LEASE			WELL NO. 1159 W CONTRACTOR Posey						RIG NO.			REPORT NO.			DATE 7-11			1977		
MORNING						DAYLIGHT						EVENING								
Driller		Total Men In Crew				Driller Posey		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.				
		NO. DC		SIZE	LENG.			NO. DC		SIZE	LENG.			NO. DC		SIZE	LENG.			
BIT		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.			
SERI. 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.						
									545 Making Water											
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN						
0	5	Surface				240	250	Shale				580	625	Shale						
5	20	Clay				250	303	Dry Sand				625	635	Dry Sand						
20	30	Shale				303	310	Wet Sand				635	650	Shale						
30	55	Dry Sand				310	330	Shale				650	700	Sandy Shale						
55	90	Shale				330	345	Dry Sand												
90	95	Sand Stone				345	380	Wet Sand												
REMARKS -						REMARKS -						REMARKS -								
95 100 Shale						380 390 Sandy Shale						Drilled 700								
100 120 Dry Sand						390 430 Wet Sand						Logged 643								
120 125 Shale						430 435 Sandy Shale														
125 - 180 Dry Sand						435 480 Shale														
180 - 200 Wet Sand						480 490 Wet Sand														
200 - 225 Shale						490 540 Shale														
225 - 240 Wet Sand						540 580 Sandy Shale														

SIGNED: Toolpusher

____ Company Supervisor