

997

#66 30-039-07145

E

#158 30-039-20390

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. 1 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #66, #158

cps 1292w

Elevation 6663' Completion Date 9/21/78 Total Depth 640' 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. DAMP AT 220', 380' WATER AT 500'

Depths gas encountered: N/A

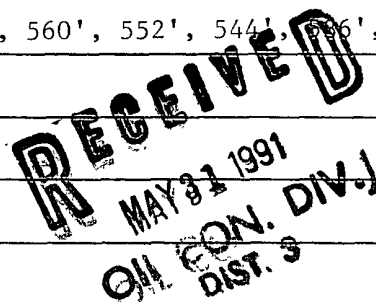
Type & amount of coke breeze used: 80 SACKS

Depths anodes placed: 610', 602', 595', 586', 560', 552', 544', 536', 528', 520'

Depths vent pipes placed: 640'

Vent pipe perforations: 320'

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). ☐

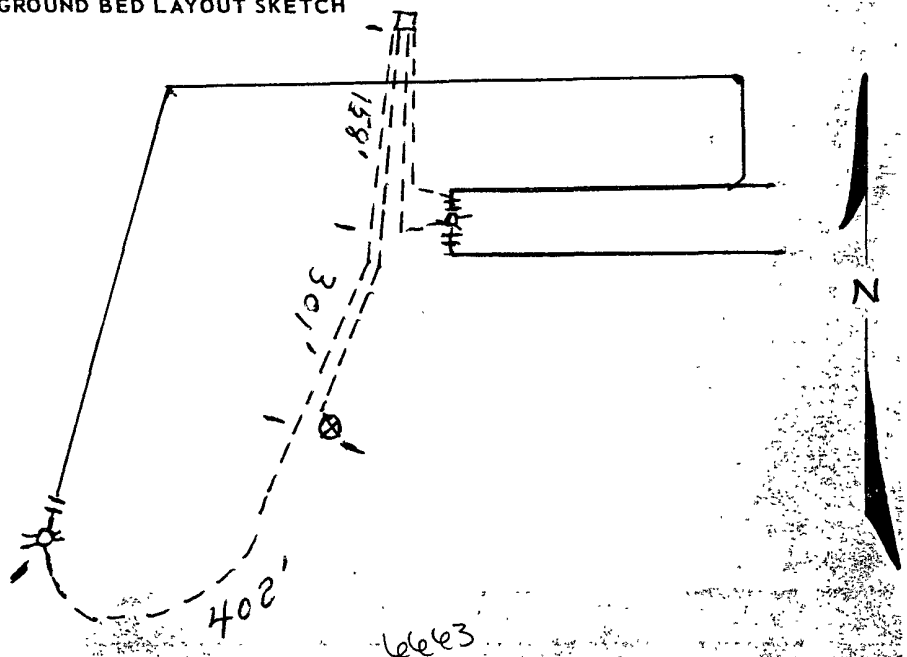
Completion Date 9-21-78

Well Name S. J. 28-6 # 66 # 158		Location NE 12-27-6		CPS No. 1292 W	
Type & Size Bit Used 6 3/4"		CONTRACT # 2		Work Order No #66=53218-19 #158=54896-19	
Anode Hole Depth 640 - 635	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 610	# 2 602	# 3 594	# 4 586	# 5 560	# 6 552
# 7 544	# 8 536	# 9 528	# 10 520		
Anode Output (Amps)					
# 1 3.1	# 2 3.1	# 3 2.7	# 4 1.8	# 5 1.9	# 6 3.7
# 7 3.5	# 8 2.4	# 9 1.7	# 10 1.3		
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 12.1	Amps 10.3	Ohms 1.2			

Remarks: ~~Static~~ #66 600' NW = 0.76 Static #158 600' N = 0.77
 Driller said Damp @ 220'. Drilled to 280'. Next AM. no water. Dam
 @ 380' waited 25 min. no water. started making water @ 500'. (15-20 Gals.
 Perforated 320' of 1" PVC Vent Pipe. Installed 640' of 1" PVC Vent Pi
 slurred 80 sacks of coke. Anodes spaced 8' apart.
 60V 30A Rectifier 1 1/2" x 60" Duriron
 20' Motor Pole.
 Hole Depth = +135
 Ditch & 1 cable = 861'
 Extra cable = 775'

All Construction Completed
W I Loutt
 (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 _____

S.J. 28-6 #66

S.J. 28-6 #158

NE 12-27-6

1292W

53218-19

54896-19

CONTRACT #2

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

560 ①
8
552 ②
8
544 ③
8
536 ④
8
528 ⑤

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

610 ①
8
602 ②
8
594 ③
8
586 ④
8
578 ⑤

STATIC #66 600' NW = 0.76
STATIC #158 600' N = 0.77

4.00	1.4	90	1.0
	1.3		1.4
10	1.5	600	1.4
	1.7		1.6
20	1.6	10	1.5 ①
	1.6		1.6
30	1.5	20	1.4
	1.5		1.4
40	1.4	30	1.0
	1.4		1.0
50	1.6		1.0
	1.9		1.0
60	1.8		1.0
	1.5		1.0
70	1.8		1.0
	1.5		1.0
80	.8		1.0
	.6		1.0
90	.4		1.0
	.4		1.0
500	.4		1.0
	1.5		1.0
10	.5		1.0
	.6		1.0
20	.7		1.0
	1.1		1.0
30	1.6		1.0
	1.7		1.0
40	1.7		1.0
	1.4		1.0
50	1.1		1.0
	1.1		1.0
60	1.0		1.0
	.6		1.0
70	.5		1.0
	1.5		1.0
80	.5		1.0
	.5		1.0

DRILLER SAID DAMP @ 220', 380'. WAITED 25' MIN
@ 380' NO WATER, DAMP.
DRILLED TO 280' NEXT A.M. NO WATER. DAMP.
DRILLER SAID MAKING WATER @ 500'. DRILLED TO
580' NEXT A.M. WATER STANDING @ 420'.
Installed 640' of 1" PVC vent Pipe
Perforated 320' of 1" PVC vent Pipe
Slurried 80 SACKS OF COKE
7 nodes spaced 8' APART

60V 30A Rectifier
20' Meter Pole
Hole Depth = +135'
Ditch Cable = 861'
EXTRA CABLE = 775'

①	610	1.7	3.1
②	602	1.8	3.1
③	594	1.7	2.7
④	586	.9	1.8
⑤	560	1.0	1.9
⑥	552	2.0	3.7
⑦	544	2.0	3.5
⑧	536	1.1	2.4
⑨	528	.7	1.7
⑩	520	.6	1.3

VOLTS = 12.1
AMPS = 10.3
OHMS = 1.2

CONTRACT #2

DAILY DRILLING REPORT

LEASE		WELL NO. 1292W		CONTRACTOR D. K. Enter		RIG NO. 2		REPORT NO.		DATE Sep 22		19 78		
MORNING					DAYLIGHT					EVENING				
Driller		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.
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	WL	Vis.			Time	WL	Vis.			Time	WL	Vis.		
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN		
0	20	Top Soil & Sandstone			300	320	Sand Stone			420	500	Sand Shale		
20	60	Sand Stone			320	340	Brown Sandstone			500	510	(Water Sand)		
60	120	Shale			340	360	Dark Sand Stone			510	620	Shale		
120	140	Sand Stone			360	380	Sand Stone			620	640	Brown Shale		
140	225	Dark Shale			380	400	Brown Sand Stone							
225	300	Shale			400	420	Sand Stone							
REMARKS -					REMARKS -					REMARKS -				
					Dense sand at 360					Drilled 6 3/4 hole to 6240				
					and at 460					Logged 635				
										Est 15 to 20 g.p.m.				

SIGNED: Toolpusher

D. K. McConale

Company Supervisor