

940 #47 30-039-07402
#122 30-039-08121
#438 30-039-25025

6

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. 15 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #47, #122, #438

cps 1153w

Elevation 6582' Completion Date 8/5/77 Total Depth 320' 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. 100'

Depths gas encountered: N/A

Type & amount of coke breeze used: 34 SACKS

Depths anodes placed: 290', 275', 250', 240', 230', 220', 165', 155', 140', 130', 120'

Depths vent pipes placed: 300'

Vent pipe perforations: 220'

Remarks: gb #1

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OIL CON. DIV
DIST. 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 8-5-77

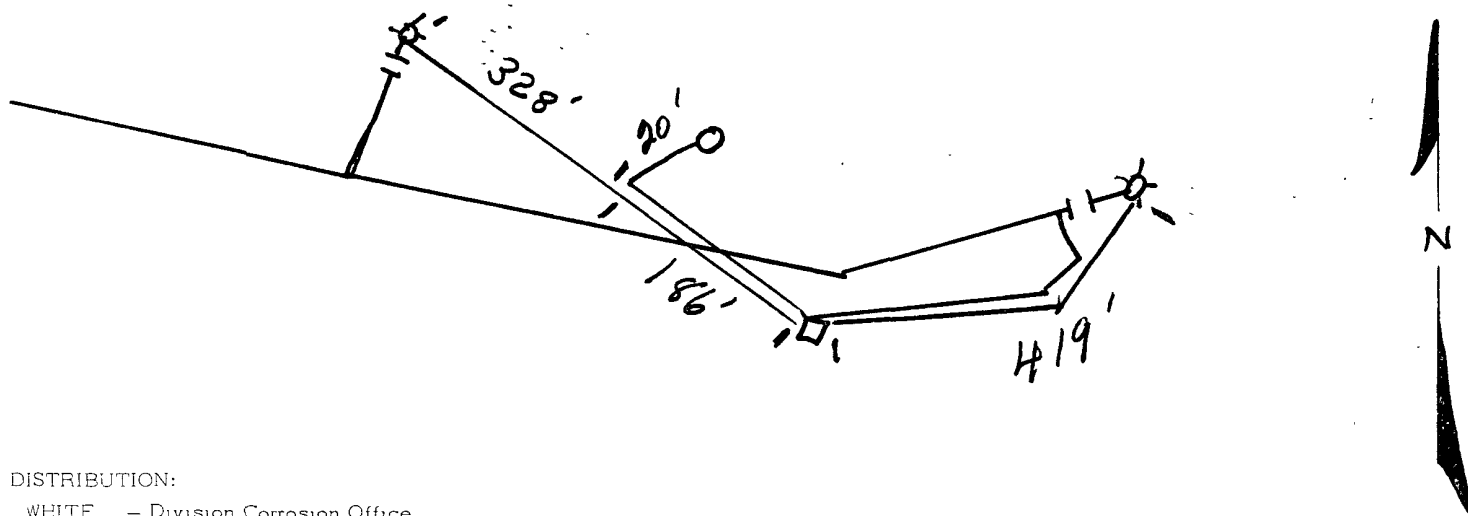
Well Name SAN JUAN 28-6 unit #122		Location SW 15-28-6		CPS No. 1153 W	
Type & Size Bit Used 6 3/4"		Work Order No. #472 40044.19		Work Order No. #1222 54440.19	
Anode Hole Depth 320-311	Total Drilling Rig Time	Total Lbs. Coke Used 34	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	#1 290	#2 275	#3 250	#4 240	#5 230
Anode Output (Amps)	#1 2.6	#2 2.6	#3 3.2	#4 3.7	#5 3.5
Anode Depth	#6 220	#7 165	#8 155	#9 140	#10 130
Anode Output (Amps)	#6 3.4	#7 2.9	#8 3.1	#9 2.8	#10 2.9
Anode Depth	#11 120	#12	#13	#14	#15
Anode Output (Amps)	#11 4.0	#12	#13	#14	#15
Total Circuit Resistance	Volts 11.4	Amps 13.5	Ohms 0.84	No. 8 C.P. Cable Used	
			No. 2 C.P. Cable Used		

Remarks: Static #47 600' NE = 0.71, Static #122 600' NE = 0.73
Installed 10-2"x2"x48" Graphite Anodes. Driller said making
water @ 100'. waited 30 minutes blow water. Perforated 220' of
1" P.V.C. Vent Pipe. Installed 300' of 1" P.V.C. Vent Pipe. Slurried
34 SACKS of COKE. #47 MARKED 3 notches, #122 MARKED 1 notch
Installed 60V 30A Rectifier & 20' Meter Pole
Unable to get COKE AROUND #2 Anode
Installed #11 Anode

All Construction Completed

W. J. Lutz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
 YELLOW - Area Corrosion Office
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65821

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

8-5-77

SAN JUAN 28-6 Unit # 47

40044.19

SAN JUAN 28-6 Unit # 122

SW 15-28-6

1153W

54440.19

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

STATIC #47 600' NW = 0.71		DRILLER SAID MAKING WATER @ 100'	
STATIC #122 600' NW = 0.73		WAITED 30 MINUTS & BLEW WATER	
10-2"x2"x48" GRAPHITE RODS		PERFORATED 220' OF 1" PVC VENT PIPE	
60V 30A RECTIFIER		INSTALLED 300' OF 1" PVC VENT PIPE	
20' METER POLE		UNABLE TO GET COKE AROUND	
		ANODE #2, INSTALLED ANODE #1	
100 2.4	30 1.5 (5)		
2.4	1.6		
10 2.4	40 1.9 (4)		
2.3	1.7		
20 2.2 (1)	50 1.6 (3)		
1.7	1.2		
30 1.5 (10)	60 .8		
1.6	.7		
40 1.4 (9)	70 .6		
1.1	1.5 (2)		
50 1.2	80 1.4	① 290 1.6	2.6
1.6 (8)	1.6	② 275 2.2	NO COKE AROUND ANODE
60 1.4	90 1.4 (1)	③ 250 1.8	3.2
1.5 (7)	1.0	④ 240 2.1	3.7
70 1.1	300 1.2	⑤ 230 1.9	3.5
2.0	1.3	⑥ 225 2.0	3.4
80 2.0	10 3.11 T.D.	⑦ 165 1.8	2.9
1.4		⑧ 155 2.1	3.1
20 .3		⑨ 140 1.8	2.8
.3		⑩ 130 1.7	2.9
2.0 .3		⑪ 120 2.4	4.0
.4			
.5			
.1			
1.2			
1.9 (6)			
11.4 VOLTS 13.5 AMPS 0.84 OHMS			

DAILY DRILLING REPORT

LEASE			WELL NO. 1153 W			CONTRACTOR Kory			RIG NO.			REPORT NO.			DATE 8-5			1977		
MORNING					DAYLIGHT					EVENING										
Driller		Total Men In Crew			Driller Kory		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. 6 3/4		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	Wt.	Vis.			Time	Wt.	Vis.			Time	Wt.	Vis.								
FROM		TO		TIME BREAKDOWN	FROM		TO		TIME BREAKDOWN	FROM		TO		TIME BREAKDOWN						
0	2			Surface	75	100			Sand wet making water	195	210			Sand wet						
2	18			Clay	100	125			Shale	210	270			Shale						
18	25			Sand lone	125	140			Sandy shale	270	290			Sand wet						
25	35			Sand wet	140	150			Shale	290	315			Shale						
35	41			Sand lone	150	155			Sand wet	315	320			Sand						
41	75			Shale	155	195			Shale											
REMARKS -					REMARKS -					REMARKS -										

SIGNED: Toolpusher

Company Supervisor