

#6 30-039-07416
920 #83 30-039-20242

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 SW Sec. 16 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #6, #83
cps 1118w

Elevation 6641' Completion Date 9/12/77 Total Depth 400' 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. 85' - 94', 110' - 118', 180'

Depths gas encountered: N/A

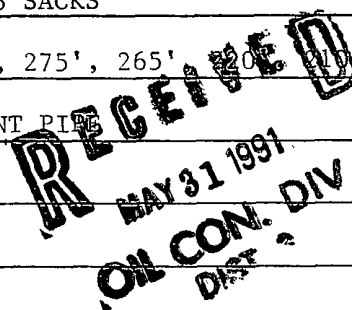
Type & amount of coke breeze used: 43 SACKS

Depths anodes placed: 360', 350', 340', 330', 285', 275', 265', 220', 210', 200'

Depths vent pipes placed: 365' OF 1" PVC VENT PIPE

Vent pipe perforations: 240'

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 9-12-77

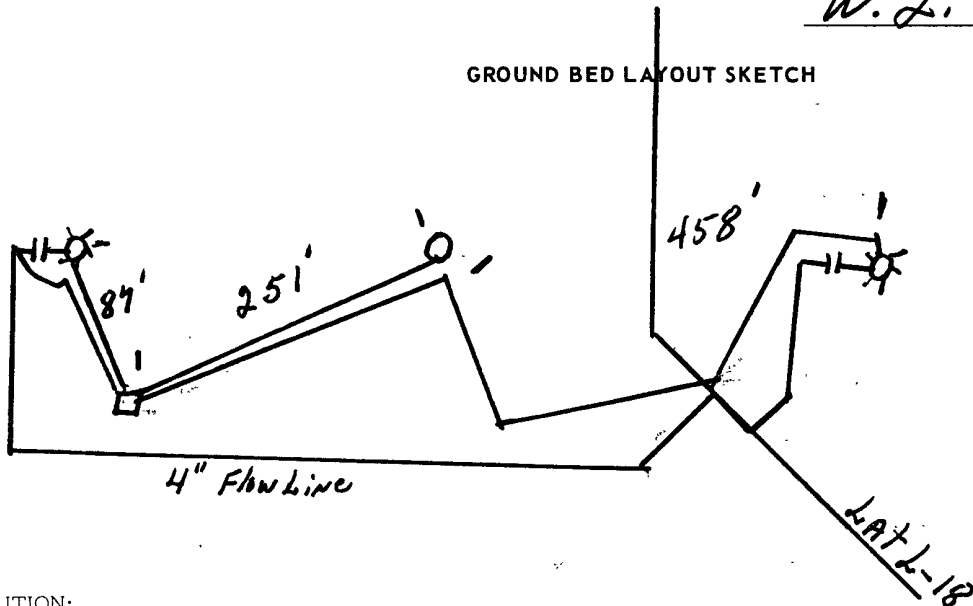
Well Name SAN JUAN 28-5 Unit #83		Location SW 16-28-5		CPS No. 1118W	
Type & Size Bit Used 6 3/4"				Work Order No. #6 = 52521.19 #83 = 54702.19	
Anode Hole Depth 400 Logged - 393	Total Drilling Rig Time	Total Lbs. Coke Used 43	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 360	# 2 350	# 3 340	# 4 330	# 5 285	# 6 275
# 7 265	# 8 220	# 9 210	# 10 200		
Anode Output (Amps)					
# 1 3.0	# 2 3.2	# 3 3.5	# 4 3.4	# 5 4.0	# 6 4.1
# 7 4.0	# 8 4.2	# 9 5.1	# 10 4.6		
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 11.2	Amps 16.4	Ohms 0.68			

Remarks: Static #6 600' SW = 0.73, Static #83 600' SE = 0.81. Driller
SAID MAKING WATER BETWEEN 85' & 94'. MAKING MORE WATER BETWEEN 110' & 118'
DRILLED TO 120'. Next AM. WATER STANDING @ 190'. STARTED INJ. @ 120'. PER SCRATCH
240' OF 1" PVC Vent Pipe. Installed 365' OF 1" PVC Vent Pipe. SLURRIED 43
SACKS OF COKE. #83 MARKED 1 NOTCH #6 MARKED 3 NOTCHES
Installed 60V 30A Rectifier. MAKING MORE WATER @ 180'

All Construction Completed

W. Z. Lott
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6641

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

500
120
240

SAN JUAN 28-5 UNIT # 6

52521.19

SAN JUAN 28-5 UNIT # 83

SW16-28-5

1118W

54702.19

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 #6	600' SW =	0.73	DRILLER SAID MAKING WATER
Static #83	600' SE =	0.81	BETWEEN 85' & 94' MORE WATER
			BETWEEN 110' & 118' DRILLED TO 180'
			NEXT FM WATER STANDING @ 98'
			MAKING MORE WATER @ 180'
			PERFORATED 240' 2.5" PVC VENT PIPE
			INSTALLED 365' 0.5" PVC VENT PIPE
			SLURRIED 43 SACKS OF GORE
120	70	1.4	
		.9	
30	30	.5	
		.5	
110	10	.5	
		.4	
50	30	1.1	
		1.6	
60	30	1.6 - (2)	
		1.4	
70	40	1.2 - (3)	
		1.4	
117	50	1.3 - (2)	
1.7		1.2	
202.2	30	1.3 - (1)	
2.2		1.0	① 360 1.5 3.0
202.3 - (10)	70	.9	② 350 1.7 3.2
2.2		1.1	③ 340 1.9 3.5
12 2.4 - (9)	70	1.6	④ 330 2.0 3.4
2.1		1.6	⑤ 285 2.4 4.0
20 1.9 - (8)	70	1.6	⑥ 275 2.6 4.1
1.8 #	393	+ D	⑦ 265 2.5 4.0
30 .5	400		⑧ 220 2.7 4.2
.2			⑨ 210 3.2 5.1
40 .4			⑩ 200 3.2 4.6
.4			
50 .4			
.5			
30 1.6			16.4 AMPS
1.8 - (5)			11.2 VOLTS
70 1.9			0.68 OHMS
2.0 - (6)			
80 2.2			
2.0 - (5)			

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE		WELL NO. 1118w		CONTRACTOR Posey Drilling Co		RIG NO.		REPORT NO.		DATE 9-11-79		19					
MORNING					DAYLIGHT					EVENING							
Driller					Driller Albert L. Posey					Driller							
Total Men In Crew					Total Men In Crew					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	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN					
0	4	surface			94	110	shale			241	250	sandstone					
4	25	sandstone			110	118	sand wet			250	275	shale					
25	40	shale			118	158	shale			275	300	sandy shale					
40	65	sandstone			165	170	sandy shale			300	340	shale					
65	85	shale			170	180	sand wet (making water)			340	375	Red shale					
85	94	sand wet			180	241	shale			375	400	shale					
REMARKS -					REMARKS -					REMARKS -							
					Logged 393'												
					Drilled 400'												
					Making Water 170' - 180'												
					injected 150'												
					Total Depth 397												