

1053

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9. 30-089-06993
156-30-089-20613

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. 22 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #9, #156

cps 171lw

Elevation 6543' Completion Date 9/23/83 Total Depth 340' 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. 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3400 lbs.

Depths anodes placed: 325', 230', 180', 170', 160', 150', 140', 105', 95', 85'

Depths vent pipes placed: 340'

Vent pipe perforations: 260'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. J
DIST. 8

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: 9/23/83

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins. Union Check					
1711 W	S.J. 27-5 #9	48036-19-50-20-64	600 S = .81 V	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad					
	S.J. 27-5 #156	55536-21-50-20-64	600 S = .79 V						
Location: NB 22-27-5		Anode Size: 2' x 60'	Anode Type: Durion	Size Bit: 6 3/4"					
Depth Drilled: 340'	Depth Logged: 340'	Drilling Rig Time	Total Lbs. Coke Used: 3400 <i>skipped</i>	Lost Circulation Mat'l Used					
Anode Depth									
# 1 325'	# 2 230'	# 3 180'	# 4 170'	# 5 160'	# 6 150'	# 7 140'	# 8 105'	# 9 95'	# 10 85'
Anode Output (Amps)									
# 1 2.6	# 2 2.34	# 3 2.86	# 4 4.9	# 5 5.18	# 6 5.0	# 7 3.84	# 8 4.10	# 9 3.75	# 10 3.7
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 11.9	Amps 15.7	Ohms .76							

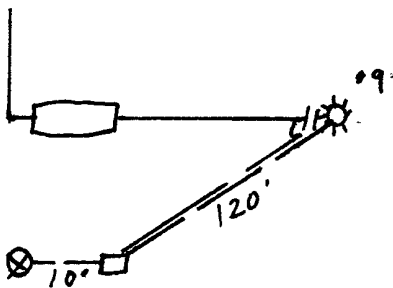
Remarks: Driller said WATER AT 120'. Drilled To 140'. WATER STANDING IN HOLE NEXT A.M. AT 80'. TOOK WATER SAMPLE, HOLE MAKING APPROX 20 GAL/MIN. AT 120'. Drilled To 340', Logged 340'. INSTALLED 340' OF 1" P.V.C. VENT PIPE, PERFORATED 260'.

Rectifier Size: 60 V 30 AV
 Addn'l Depth: _____
 Depth Credit: 160' ✓
 Extra Cable: 150' ✓
 Ditch & 1 Cable: 130' ✓
 25' Meter Pole: 1 off LOCATION ✓
 20' Meter Pole: _____
 10' Stub Pole: 1 ✓

All Construction Completed

J.E. Stott
(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.
10 hr.	8	2

ERUG WILL PLOW
veg. To #156

6543 #156

CPS - 1711 W

S.J. 27-5 #9

W.O. 40036-19-50-20-64

NE 22-27-5

S.J. 27-5 # 156

55536-21-50-20-64

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

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

80 - 2.14	260 - .77	Drilled SAID WATER AT 120'
2.20 - ⑩	.76	Drilled To 140' WATER
90 - 2.22	70 - .79	STANDING IN HOLE NEXT AM
2.08 - ⑨	.89	AT 80'. TOOK WATER SAMPLE
100 - 2.18	80 - .81	HOLE MAKING APPROX 20.500/
2.14 - ⑧	.64	MIN. AT 120'. Drilled To
10 - 1.24	90 - .73	340', LOGGED 340'. INSTALLED
1.14	.51	340' of 1" P.V.C. VENT PIPE
20 - 1.04	300 - .78	PERFORATED 260'
.99	.43	
30 - 1.21	10 - .44	
1.34	.52	
40 - 1.89 - ⑦	20 - .66	
2.36	1.69 - ⑪	
50 - 2.46 - ⑥	30 - 2.02	
2.7	2.0	
60 - 2.56 - ⑤	40 - 340 T.D.	
2.48		
70 - 2.43 - ④		
2.25		
80 - 1.76 - ③		11.9 V. 15.7 A. = .76 n
.91		
90 - .42		1 - 325 - 1.73 - 2.6
.34		2 - 230 - 1.47 - 2.34
200 - .81		3 - 180 - 2.06 - 2.86
.79		4 - 170 - 2.65 - 4.9
10 - .94		5 - 160 - 2.8 - 5.18
.93		6 - 150 - 2.83 - 5.0
20 - .86		7 - 140 - 2.17 - 3.84
1.07		8 - 105 - 2.29 - 4.10
30 - 1.49 - ②		9 - 95 - 2.15 - 3.75
.86		10 - 85 - 2.20 - 3.7
40 - 1.15		
1.01		
50 - .63		
.78		

EL PASO NATURAL GAS COMPANY
 SAN JUAN DIVISION
 FARMINGTON, NEW MEXICO
 PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10866 Date September 30, 1983

Operator El Paso Natural Gas Well Name San Juan 27-5 #9 CPS 1711W

Location NE 22-27-5 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From 140 feet CPS 1711W

Date Sampled September 23, 1983 By _____

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

	ppm	epm	ppm	epm
Sodium	<u>868</u>	<u>37.8</u>	Chloride	<u>20</u>

	ppm	epm	ppm	epm
Calcium	<u>38</u>	<u>1.9</u>	Bicarbonate	<u>512</u>

	ppm	epm	ppm	epm
Magnesium	<u>6</u>	<u>0.5</u>	Sulfate	<u>1,500</u>

	ppm	epm	ppm	epm
Iron	<u> </u>	<u> </u>	Carbonate	<u>0</u>

	ppm	epm	ppm	epm
H ₂ S	<u> </u>	<u> </u>	Hydroxide	<u>0</u>

cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File

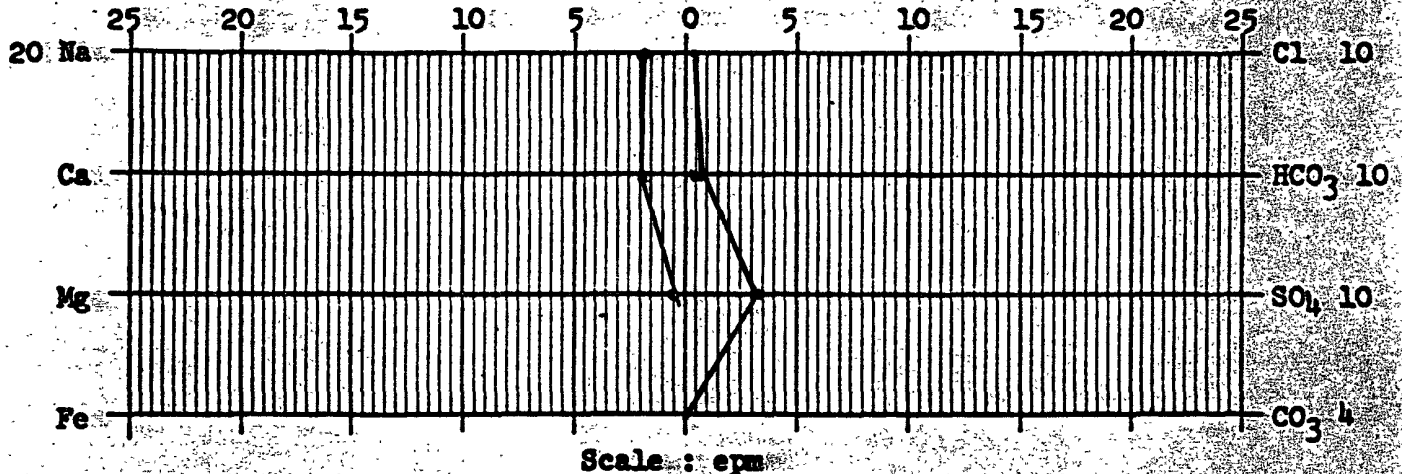
Total Solids Dissolved 2.474

pH 8.0

Sp. Gr. 0.9714 At 60°F

Resistivity 235 ohm-cm at 74°F

Joe P. Barnett
 Chemist GCK



27-5 #9

CPS 1711 DAILY DRILLING REPORT

LEASE SAW JAW

WELL NO.

CONTRACTOR SK Drilling

RIG NO. 3

REPORT NO.

DATE 9-22

1983

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.
					0	60	SAWD	6 3/4						
					60	100	Shale							
					120	230	SAND WATER	20 GAL	MINUTE					
					150	340	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		
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	

REMARKS -	REMARKS -	REMARKS -
	water 120' sand 20 gal am. w	
	" 200' shale	
	" 320' sand	

SIGNED: Toolpusher

Billy Saunders

Company Supervisor

JE Stott