

1228

8

30-039-21951

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 31 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #60A

cps. 1483w

Elevation 6830' Completion Date 8/4/80 Total Depth 240' 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. 70' SAMPLE TAKEN

Depths gas encountered: N/A

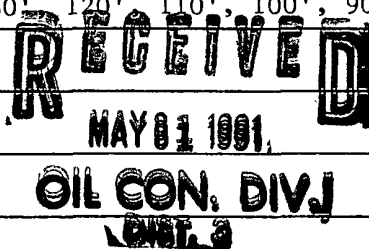
Type & amount of coke breeze used: 24 SACKS

Depths anodes placed: 170', 160', 150', 140', 130', 120', 110', 100', 90', 80'

Depths vent pipes placed: 240'

Vent pipe perforations: 170'

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

8 hr Rec

Drilling Log (Attach Hereto) ☐

Completion Date 8-4-80

Well Name <u>S.J. 30-6 # 60A</u>		Location <u>SE 31-30-6</u>		CPS No. <u>1483-4</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57580-21</u>	
Anode Hole Depth <u>1099ed 240'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>24</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>170</u>	# 2 <u>160</u>	# 3 <u>150</u>	# 4 <u>140</u>	# 5 <u>130</u>	# 6 <u>120</u>
# 7 <u>110</u>	# 8 <u>100</u>	# 9 <u>90</u>	# 10 <u>80</u>		
Anode Output (Amps)					
# 1 <u>1.8</u>	# 2 <u>2.6</u>	# 3 <u>5.6</u>	# 4 <u>3.9</u>	# 5 <u>2.3</u>	# 6 <u>2.4</u>
# 7 <u>2.5</u>	# 8 <u>2.7</u>	# 9 <u>4.3</u>	# 10 <u>3.4</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>11.0</u>	Amps <u>14.4</u>	Ohms <u>.76</u>			

Remarks: STATIC 600' N. = .89 UNION - OK

DRILLER said hit WATER AT 70'. SET OVER WEEKEND, MAND
MORNING blew WATER. GOT WATER Sample, ESTIMATE 350
PER MIN. INSTALLED 240' of 1" VENT PIPE, PERFORATED 170'
of VENT PIPE

1 10' STUB Pole ✓

1 40V 16A Rect ✓

Ditch + 1 cable - 267' ✓

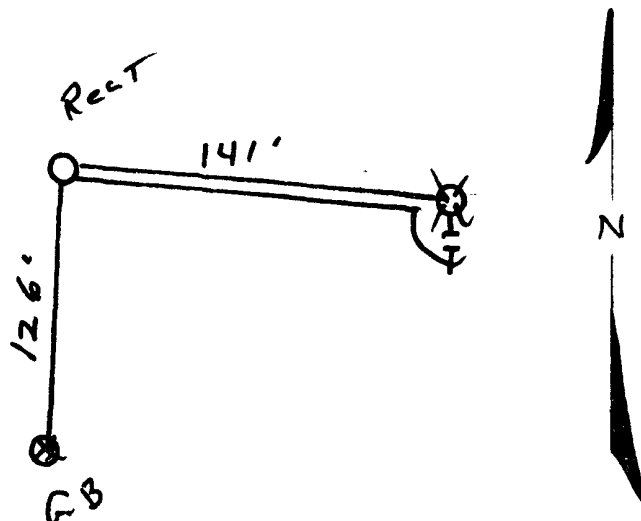
EXTRA cable - 171' ✓

Hole Depth = 260' ✓

All Construction Completed

Willis Lought Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

6530

CRS# 1483-W San Juan 30-6 #60-A SE, 31-30-6 W.O. #57580-21
 LEASE WELL NO. CONTRACTOR 3-C Drilling RIG NO. #1 REPORT NO. DATE August 4th 1980

MORNING					DAYLIGHT					EVENING				
Driller <i>Brian</i>		Total Men In Crew <i>3</i>			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. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERIAL NO.		NO. DC	SIZE <i>4 1/2</i>	LENG. <i>20'</i>	SERIAL NO.		NO. DC	SIZE	LENG.	SERIAL NO.		NO. DC	SIZE	LENG.
SIZE <i>6 3/4</i>		STANDS			SIZE		STANDS			SIZE		STANDS		
TYPE		SINGLES <i>12</i>			TYPE		SINGLES			TYPE		SINGLES		
MAKE		DOWN ON KELLY			MAKE		DOWN ON KELLY			MAKE		DOWN ON KELLY		
TOTAL DEPTH <i>240'</i>		TOTAL DEPTH			TOTAL DEPTH		TOTAL DEPTH			TOTAL DEPTH		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	20	clay						
20	60	sandstone						
60	80	sandstone - water approx 70'						
	180	shale						
180	200	bentonite & shale						
200	240	sand						

REMARKS -	REMARKS - <i>drilled to 80' on Aug. 1st</i> <i>had water standing Aug. 4th</i> <i>at approx. 70' Making approx.</i> <i>3 gallons per minute.</i> <i>Got a good water sample.</i> <i>Total hole depth 240'</i> <i>Total log depth 240'</i>	REMARKS -

SIGNED: Toolpusher

Brian Gurge

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: of
Date: 8-4-80
By: WK
File:S.J. 30-6 # 60A
SE 31-30-6
CPS 1483-W
W/O 57580-2.STATIC 600' N = .89
UNION - OK

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

1 10' STUB Pole
1 40V 16A Rect
DITCH + 1 cable - 267'
EXTRA cable - 171'
Hole Depth - 260'DRILLER SOID HIT WATER
AT 70'. SET OVER WEEKEND
Blew WATER MON. MORN.
905 WATER Sample
Installed 240' of 1" VENT
PIPE. PERFORATED 170' of
VENT PIPE. SLURRIED 24
SACKS OF COKE

70	.2	
75	.5	
80	1.2	⑩
85	1.0	
90	2.7	⑨
95	2.4	⑧
100	2.0	⑦
05	2.0	
10	1.6	⑥
15	1.4	
20	1.5	⑤
25	1.5	
30	1.4	④
35	1.4	
40	2.1	③
45	2.9	
50	2.8	②
55	2.6	
60	1.8	①
65	1.2	
70	1.0	
75	.7	
80	.5	
85	.5	
90	.4	
95	.3	
200	.2	
05	.1	
10	.1	
15	.2	
20	.1	
25	.2	
30	.3	
35	.3	
40	.3	

①	170	1.1	1.8
②	160	1.8	2.6
③	150	3.0	5.6
④	140	2.3	3.9
⑤	130	1.6	2.3
⑥	120	1.6	2.4
⑦	110	1.7	2.5
⑧	100	2.1	2.7
⑨	90	2.8	4.3
⑩	80	1.8	3.4

11.0 V 14.4 A .76 Ω

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

Analysis No. 1-10031 Date 11-12-80

Operator El Paso Natural Gas Well Name San Juan 30-6 #60A

Location SE 31-30-6 County San Juan State New Mexico

Field Blanco Formation

Sampled From CPS 1483-W @70 ft.

Date Sampled 8-4-80 By Willis Knight

Tbg. Press. Csg. Surface Csg. Press.

Sodium <u>46</u> ppm	<u>2.0</u> epm	Chloride <u>56</u> ppm	<u>1.6</u> epm
----------------------	----------------	------------------------	----------------

Calcium <u>107</u>	<u>5.4</u>	Bicarbonate <u>346</u>	<u>5.7</u>
--------------------	------------	------------------------	------------

Magnesium <u>7</u>	<u>0.6</u>	Sulfate <u>32</u>	<u>0.7</u>
--------------------	------------	-------------------	------------

Iron <u>No test</u>		Carbonate <u>0</u>	<u>0</u>
---------------------	--	--------------------	----------

H ₂ S <u>No test</u>		Hydroxide <u>0</u>	<u>0</u>
---------------------------------	--	--------------------	----------

cc: C.B. O'Nan Total Solids Dissolved 640

R.A. Ullrich

E.R. Paulek

J.W. McCarthy

A.M. Smith

W.B. Shropshire

D.C. Adams

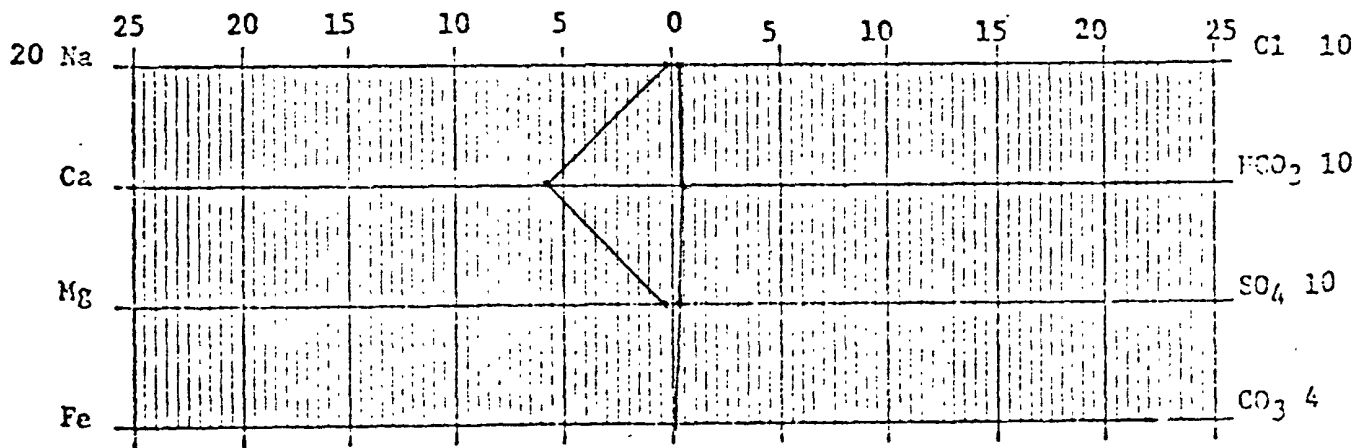
File

pH 7.3

Sp. Gr. .9967 At 60°F

Resistivity 2174 ohm-cm at 77°F

Joe Barnett
Chemist



Scale: epm