

30-039-21692

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. 33 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #28A

cps 1419w

Elevation 6348' Completion Date 9/13/79 Total Depth 420' 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 125' WATER AT 235'

SAMPLE TAKEN

Depths gas encountered: N/A

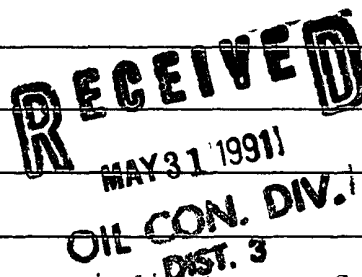
Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 370', 340', 325', 300', 290', 280', 270', 260', 250', 240'

Depths vent pipes placed: 400'

Vent pipe perforations: 280'

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

CONTRACT 2

Drilling Log (Attach Hereto). ☐

Completion Date 9-13-79

Well Name SAN JUAN 30-6 #28A		Location SE 33-30-6		CPS No. 1419 W	
Type & Size Bit Used 6 3/4		2" x 60" Durairon		Work Order No. 57420.21	
Anode Hole Depth 420-420 TD	Total Drilling Rig Time	Total Lbs. Coke Used 4200	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 370	# 2 340	# 3 325	# 4 300	# 5 290
	# 6 280	# 7 270	# 8 260	# 9 250	# 10 240
Anode Output (Amps)	# 1 2.9	# 2 2.4	# 3 2.5	# 4 3.1	# 5 3.5
	# 6 3.3	# 7 3.7	# 8 3.7	# 9 2.8	# 10 3.0
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	Volts 12.1		Amps 13.8		Ohms .88
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

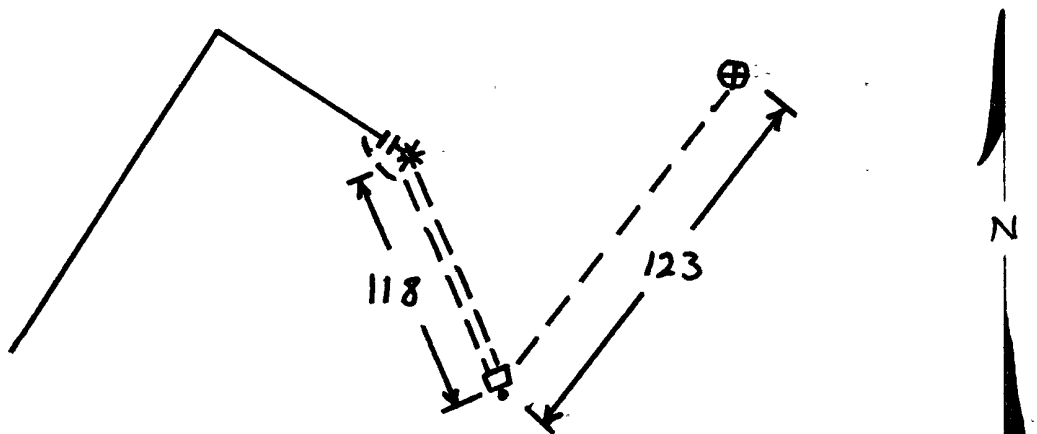
Remarks: ST 9/8 NW = .90 Very Damp AT 125 FT BUT DID NOT MAKE WATER OVERNIGHT. WATER AT 235 FT. TOTAL WATER APPROX 2 GPM DRILLED 420 FT AND LOGGED 420 FT. INSTALLED 400 FT OF VENT PIPE WITH 280 FT. PERFORATED. SLURRIED 42 SACKS OF COKE.

Hole depth = -80
METER POLE
400 V 16A RECT
DITCH + CABLE = 241
EXTRA CABLE = 143

All Construction Completed

Robert J. Bahrick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

62348

1419W
LEASE 1419W WELL NO. CONTRACTOR *Contract # 2*
O'Brian RIG NO. 1 REPORT NO. DATE 9-13 1979

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	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			
0	90		Shale														
90	125		Sand damp														
125	205		Shale														
205	237		Sandstone water														
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN			
237	350	Sandy Shale															
350	420	Sandstone water															

REMARKS -					REMARKS -					REMARKS -				
					Drilled To 420 w/ 6 3/4"									
					Logged To 420									
					Water - 2 gpm									

SIGNED: Toolpusher

O'Brian

Company Supervisor

Kurt Westmoreland

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-13-79
By: RJB
File: 1419W1419W SE33-30-6
SAN JUAN 30-6 #28A
STATIC % NW = .90

57420.21

9-13-79 = 11 hrs.

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

200 1.2
5 .55
10 .4
5 .4
20 .3
5 .3
30 .3
5 .6
40 1.6 -10
5 .7
50 1.5 -9
5 1.5
60 2.1 -8
5 2.1
70 2.2 -7
5 1.6
80 1.5 -6
5 1.8
90 2.0 -5
5 1.9
300 1.6 -4
5 .8
10 .5
5 .5
30 1.3
5 1.5 -3
30 1.0
5 1.6
40 1.3 -2
5 .9
50 1.0
5 .8
60 .6
5 .6
70 2.0 -1
5 1.0
80 .7
5 .7
90 .6
5 .6
400 .6
5 .5
10 .8
5
20

WATER AT 235 FT. VERY DAMP AT
125 FT But did not make
water overnight. Drilled
420 FT Logged 420 FT. Inst
400 FT OF CASING WITH 280 FT
OF PERFORATION. SLURRIED
420 ACKS OF COKE

TOTAL WATER APPROX 2 GPM

Hole depth = - 80
Meter pole =
40V16A Re.T.
Ditch + cable = 241
EXTRA CABLE = 143
(includes 25 FT hookup wire)

- ① 370 - 1.8 - 2.9
- ② 340 - 1.2 - 2.4
- ③ 325 - 1.3 - 2.5
- ④ 300 - 1.5 - 3.1
- ⑤ 290 - 2.0 - 3.5
- ⑥ 280 - 1.8 - 3.3
- ⑦ 270 - 2.3 - 3.7
- ⑧ 260 - 2.1 - 3.7
- ⑨ 250 - 1.4 - 2.8
- ⑩ 240 - 1.7 - 3.0

12.1 V 13.8 A = .88 ohms

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

Analysis No. 1-9815 Date 2-6-80

Operator El Paso Natural Gas Well Name San Juan 30-6 #28A

Location SE 33-30-6 County Rio Arriba State New Mexico

Field _____ Formation _____

Sampled From CPS 1419 W

Date Sampled _____ By _____

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

	ppm	epm		ppm	epm
Sodium	<u>346</u>	<u>15</u>	Chloride	<u>48</u>	<u>1</u>

Calcium	<u>8</u>	<u>.4</u>	Bicarbonate	<u>820</u>	<u>13</u>
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Magnesium	<u>0</u>	<u>0</u>	Sulfate	<u>30</u>	<u>.6</u>
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Iron	_____	_____	Carbonate	<u>0</u>	<u>0</u>
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H ₂ S Absent	_____	_____	Hydroxide	<u>0</u>	<u>0</u>
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan
235 Ft.
Silty

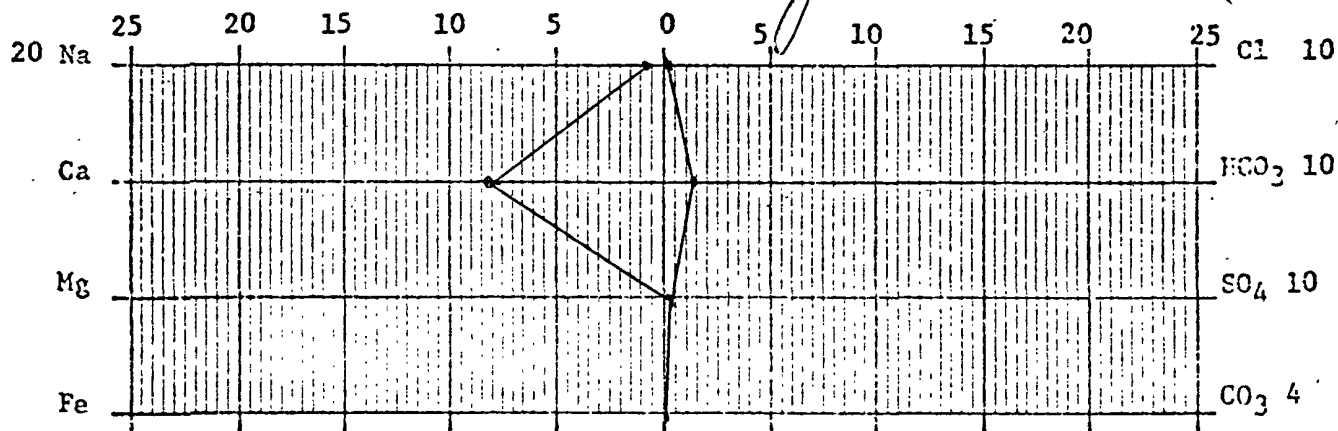
Total Solids Dissolved 932

pH 8.1

Sp. Gr. 1.0080 at 60°F

Resistivity 741 ohm-cm at 77 °F

Joe Barnett
Chemist EK



Scale: epm