

1219

E

30-039-21902

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. 29 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #15A

cps 1474w

Elevation 6311' Completion Date 8/6/80 Total Depth 560' 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. 120' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used 56 SACKS

Depths anodes placed: 470', 390', 383', 375', 285', 277', 269', 261', 253', 245'

Depths vent pipes placed: 530'

Vent pipe perforations: 410'

Remarks: gb #1

RECEIVED
MAY 31 1981
OIL CON. DIV.
DIST. 3

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) ☐

2"X60" DUTION

Completion Date 8/6/80

Well Name S.J. 30-6 15A		Location SE 29-30-7		CPS No. 1474 V	
Type & Size Bit Used 6 3/4"				Work Order No. 57571-21	
Anode Hole Depth 560' T.D. 530'	Total Drilling Rig Time	Total Lbs. Coke Used 56 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 470'	# 2 390'	# 3 383'	# 4 375'	# 5 285'
Anode Output (Amps)	# 1 1.8	# 2 2.7	# 3 2.6	# 4 2.3	# 5 2.0
Anode Depth	# 6 277'	# 7 269'	# 8 261'	# 9 253'	# 10 245'
Anode Output (Amps)	# 6 2.4	# 7 2.6	# 8 2.9	# 9 3.3	# 10 3.1
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.7		Amps 11.4		Ohms 1.03
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

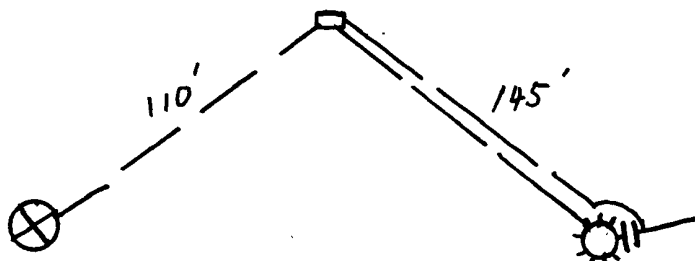
Remarks: STATIC 600 W = .80V INSULATED UNION CHECKED OK
DRILLER SAID WATER AT 120', APPROX. 29 GAL./MIN. TOOK WATER SAMPLE
DRILLED TO 560', LOGGED HOLE NEXT AM. TO 530'. INSTALLED 530'
OF 1" P.V.C. VENT PIPE, PERFORATED 410'.

Ditch & 1 cable = 255'
extra cable = 175'
Stub pole ✓
40V 16A RECT. ✓
Hole Depth + 30' ✓

All Construction Completed

GROUND BED LAYOUT SKETCH

(Signature)
14 Hr. Reg.
2 Hr. O.T.



DISTRIBUTION:

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

6311

SAN Juan 30-6 # 15 A Three C Drilling 2 CPS 1474 W DAILY DRILLING REPORT
LEASE SE 29-30-7 WELL NO. CONTRACTOR RIG NO. REPORT NO. 5671-21 DATE August 6 1980

MORNING					DAYLIGHT					EVENING				
Driller <u>Kevin Buge</u>		Total Men In Crew <u>3</u>			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	120	shale sand stone bentonite clay water sand												
120	240	sand stone shale												
240	300	shale												
300	370	sandstone												

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		SERIAL NO.		STANDS
SIZE <u>6 3/4</u>		SINGLES		SIZE		SINGLES		SIZE		SINGLES		SIZE		SINGLES
TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY		TYPE		DOWN ON KELLY
MAKE		TOTAL DEPTH		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
370	400	shale						
400	450	sandstone						
450	470	shale						
470	500	sandstone						
500	560	shale						

REMARKS - <u>Water at 120, 2 GPM, logged 530'</u>	REMARKS -	REMARKS -

SIGNED: Toolpusher Kevin Buge Company Supervisor _____

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

Analysis No. 1-10032 Date 11-12-80
Operator El Paso Natural Gas Well Name San Juan 30-6 #15A
Location SE 29-30-7 County Rio Arriba State New Mexico
Field Blanco Formation _____
Sampled From CPS 1474 W @120 ft.

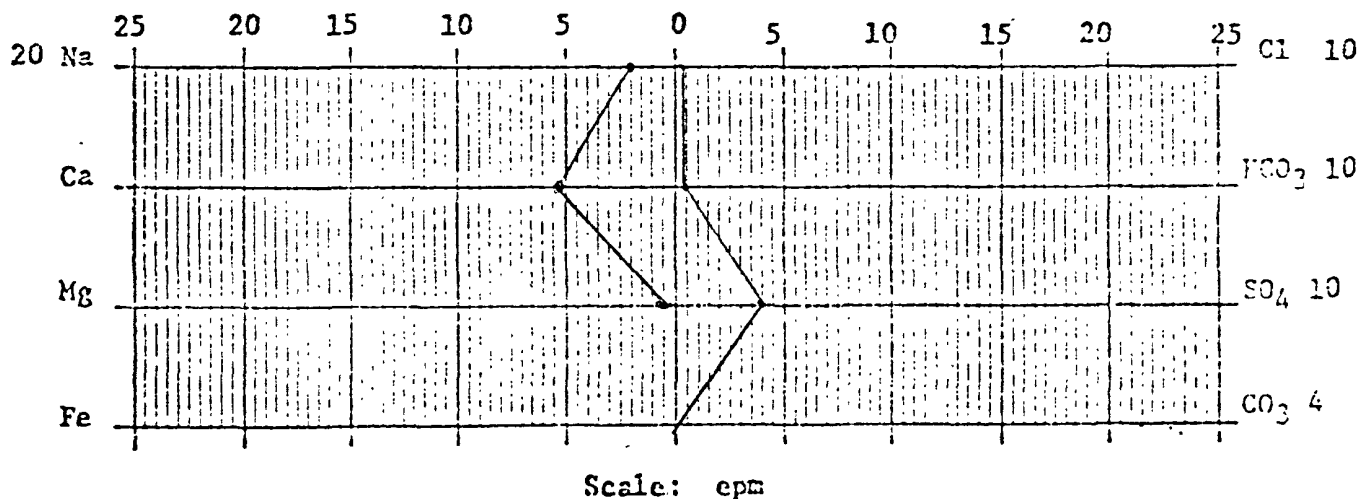
Date Sampled 8-6-80 By _____

Tbg. Press.	Csg.	Surface Csg. Press.
ppm	epm	ppm
Sodium <u>947</u>	<u>41.2</u>	Chloride <u>52</u>
Calcium <u>104</u>	<u>5.2</u>	Bicarbonate <u>346</u>
Magnesium <u>9</u>	<u>0.7</u>	Sulfate <u>1920</u>
Iron <u>No test</u>		Carbonate <u>0</u>
H ₂ S <u>No test</u>		Hydroxide <u>0</u>

cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

Total Solids Dissolved 3154
pH 7.4
Sp. Gr. .9987 At _____ 60°F
Resistivity 227 ohm-cm at _____ 77°F

Joe Barnett
Chemist



El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: _____ of _____
Date: _____
By: _____
File: _____S.J. 30-6[#]15 ACPS # 1474 W
SE 29-30-7

W.O. 57571-21

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

120-1.0	310-.5	510-.9	Driller SAID WATER AT 120', Approx. 2 gal./min. Took 1.4 WATER SAMPLE. Drilled To 560, Logged Hole Next A.M. To 530. Installed 530' of 1" P.V.C. VENT Pipe Perforated 410.
30-.8	20-.4	20-1.7	
30-.9	20-.3	30-.8	
40-1.3	30-.6	40-	
40-.8	30-.5	50-	
50-.5	40-.3	60-	
50-.4	40-.8	70-	
60-.8	50-.8	80-	
60-.5	60-.7	90-	
70-.3	70-.7	100-	
80-.3	80-1.5 - ④	110-	
80-.2	80-1.2 - ③	120-	
90-.2	90-1.6 - ③	130-	
90-.4	90-1.4 - ②	140-	
100-1.13	100-.9	150-	
100-.8	100-.8	160-	
110-.7	110-.8	170-	
120-.6	120-.7	180-	
130-.3	130-.8	190-	
140-.2	140-.7	200-	
150-.5	150-.8	210-	
160-.7	160-.9	220-	
170-.4	170-.8	230-	
180-1.3 - ⑩	180-.8	240-	
190-1.7	190-.8	250-	
200-2.0 - ⑨	200-.8	260-	
210-2.1 - ⑧	210-1.0	270-	
220-2.3	220-1.1	280-	
230-2.0 - ⑦	230-1.4 - ①	290-	
240-1.8	240-.9	300-	
250-1.6 - ⑥	250-.6	310-	
260-1.5 - ⑤	260-.7	320-	
270-.7	270-.7	330-	
280-.6	280-.7	340-	
290-.4	290-.7	350-	
300-.4	300-.7	360-	
	370-.9	380-	
	390-.9	390-	
	400-.8	400-	
	410-.8	410-	
	420-.8	420-	
	430-.8	430-	
	440-.8	440-	
	450-.8	450-	
	460-.8	460-	
	470-.8	470-	
	480-.8	480-	
	490-.8	490-	
	500-.8	500-	
	510-.8	510-	
	520-.8	520-	
	530-.8	530-	
	540-.8	540-	
	550-.8	550-	
	560-.8	560-	
	570-.8	570-	
	580-.8	580-	
	590-.8	590-	
	600-.8	600-	
	610-.8	610-	
	620-.8	620-	
	630-.8	630-	
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	650-.8	650-	
	660-.8	660-	
	670-.8	670-	
	680-.8	680-	
	690-.8	690-	
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	760-.8	760-	
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	780-.8	780-	
	790-.8	790-	
	800-.8	800-	
	810-.8	810-	
	820-.8	820-	
	830-.8	830-	
	840-.8	840-	
	850-.8	850-	
	860-.8	860-	
	870-.8	870-	
	880-.8	880-	
	890-.8	890-	
	900-.8	900-	
	910-.8	910-	
	920-.8	920-	
	930-.8	930-	
	940-.8	940-	
	950-.8	950-	
	960-.8	960-	
	970-.8	970-	
	980-.8	980-	
	990-.8	990-	
	1000-.8	1000-	

$$11.7 \text{ V. } 11.4 \text{ A.} = 1.03 \Omega$$

$$8/6/80$$

JR

- 1-470-1.3-1.8
- 2-390-1.6-2.7
- 3-383-1.9-2.6
- 4-375-1.5-2.3
- 5-285-1.3-2.0
- 6-277-1.4-2.4
- 7-269-1.8-2.6
- 8-261-2.1-2.9
- 9-253-1.1-3.3
- 10-245-1.8-3.10