

1256

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30-039-21860

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 25 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #70A

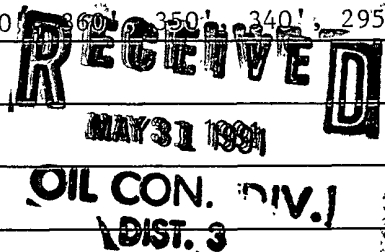
cps 1509w

Elevation 6572' Completion Date 6/6/80 Total Depth 520' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. 280' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 54 SACKSDepths anodes placed: 430', 420', 410', 395', 370', 360', 350', 340', 295', 285'Depths vent pipes placed: 505'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 6/6/80

Well Name S.J. 28-G # 70A		Location NW 25-27-6		CPS No. 1509 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57556-21	
Anode Hole Depth 520' T.D. 505'	Total Drilling Rig Time	Total Lbs. Coke Used 54 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 430'	# 2 420'	# 3 410'	# 4 395'	# 5 370'	# 6 360'
# 7 350'	# 8 340'	# 9 295'	# 10 285'		
Anode Output (Amps)					
# 1 3.3	# 2 3.0	# 3 3.7	# 4 4.0	# 5 2.9	# 6 4.1
# 7 3.6	# 8 3.3	# 9 4.1	# 10 3.5		
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 11.4	Amps 17.1	Ohms .67			

INSULATED UNION-OK

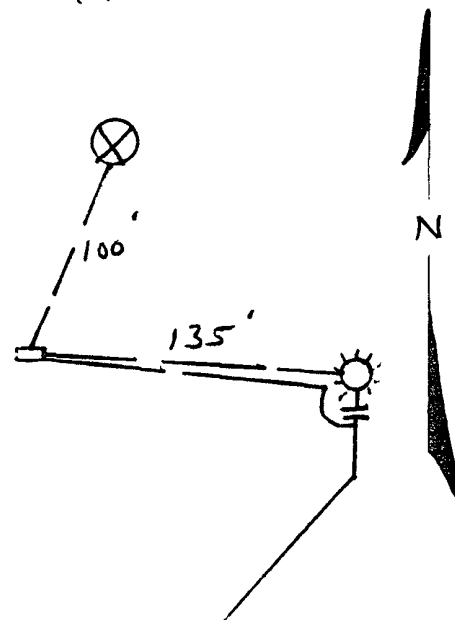
Remarks: **STATIC 600 M = .89 V Drilled To 330', Driller said WATER AT 280'. Approx. 15 gal/min. WATER STANDING IN Hole NEXT A.M. AT 280'. Took WATER SAMPLE. Drilled To 520', Logged 505'. INSTALLED 505' of 1" P.V.C. VENT pipe, Perforated 240'.**

Ditch + 1 cable = 235'
extra cable = 155'
Stub Pole
40V 16A Rect.
Hole Depth = + 5'

All Construction Completed

GROUND BED LAYOUT SKETCH

(Signature)
8 Hr. Reg.
4 Hr. O.T.



Jct. Box, Rect., Pole,
AND cable, ARE NOT
INSTALLED ON LOCATION

DISTRIBUTION:

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

6572

S.J. 28-6 70A

CPS 1509W
NW 25-27-6

W.V. 57556-21

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 17.48
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

250 - 2.6	460 - 1.3	Drilled To 330'. Driller said water AT 280', Approx. 15 gal/ min. water standing in hole next A.M. AT 280'. Took water sample. Drilled To 520'. Logged 505'. Installed 505' of 1" P.V.C. VENT Pipe Perforated 240'.
2.1	1.0	
60 - 1.1	70 - .8	
.8	.7	
70 - .9	80 - 1.1	
1.7	.8	
80 - 1.5	90 - 1.3	
2.2 - (10)	1.3	
90 - 2.0	500 - 1.0	
2.4 - (9)	505 - T.D.	
300 - 2.0	70 -	11.4 V - 17.1 A = .672 6/6/80 JL
1.4		
110 - .8	20 - Drilled To	
1.5		
20 - 1.5		
1.5		
30 - 1.7		
1.8		
40 - 2.3 - (8)		
2.3		
50 - 2.4 - (7)		1-430 - 2.1 - 3.3 2-420 - 1.9 - 3.0 3-410 - 2.1 - 3.7 4-395 - 2.4 - 4.0 5-370 - 1.8 - 2.9 6-360 - 1.9 - 4.1 7-350 - 2.2 - 3.6 7-340 - 2.1 - 3.3 7-295 - 2.5 - 4.1 10-285 - 2.2 - 3.5
2.1		
60 - 1.9 - (6)		
1.8		
70 - 1.9 - (5)		
1.6		
80 - 1.8		
1.8		
90 - 2.3		
2.4 - (4)		
400 - 1.7		
1.7		
10 - 2.1 - (3)		
1.7		
20 - 1.8 - (2)		
2.0		
30 - 2.2 - (1)		
2.1		
40 - 1.8		
1.4		
50 - 1.1		
1.0		

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

Analysis No. 1-9914 Date 6-23-80
Operator El Paso Natural Gas Well Name San Juan 28-6 #70A
Location NW 25-27-6 County Rio Arriba State New Mexico
Field Lowry Formation _____

Sampled From 280 foot depth *CPS 1509-W*

Date Sampled 6-6-80 By _____

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

	ppm	epm		ppm	epm
Sodium	<u>230</u>	<u>10</u>	Chloride	<u>10</u>	<u>.3</u>
Calcium	<u>6</u>	<u>.3</u>	Bicarbonate	<u>386</u>	<u>6</u>
Magnesium	<u>2</u>	<u>.2</u>	Sulfate	<u>200</u>	<u>4</u>
Iron	<u>No Test</u>		Carbonate	<u>2</u>	<u>.1</u>
H ₂ S	<u>Absent</u>		Hydroxide	<u>0</u>	<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 634

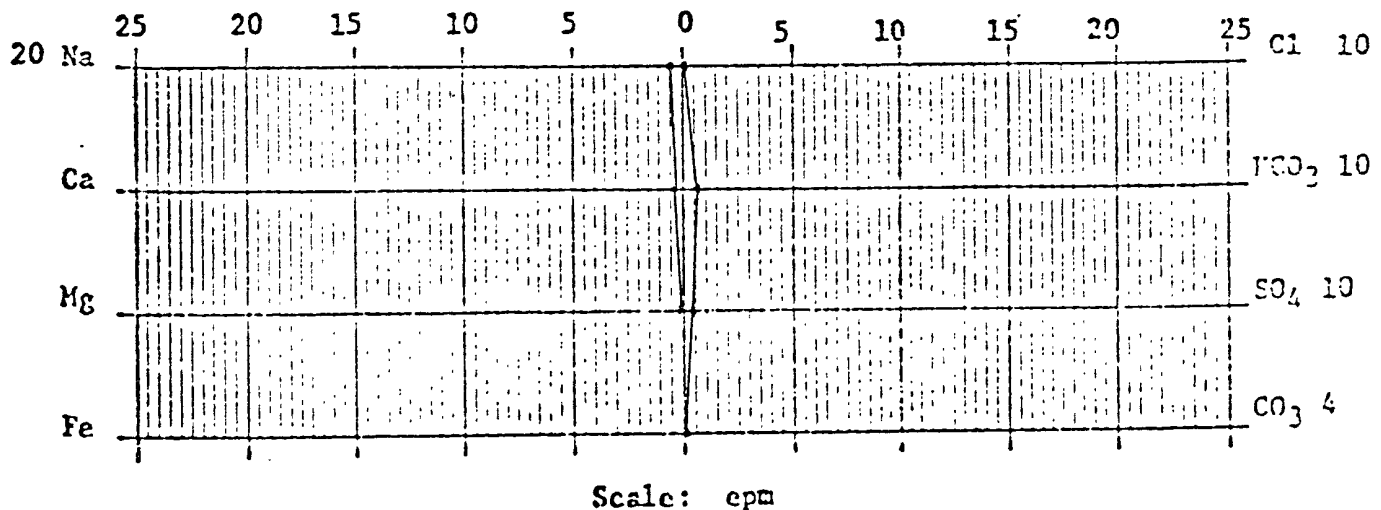
pH 8.8

Sp. Gr. 1.0025 At 60°F

Resistivity 1053 ohm-cm at 77°F

Deborah Donatelli
Chemist

RZE



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

C.P.S. 1511 W

LEASE _____ WELL NO. _____ CONTRACTOR **3-C Drilling** RIG NO. **#1** REPORT NO. _____ DATE **6/5/6** 19**80**

MORNING					DAYLIGHT					EVENING				
Driller Brian Total Men In Crew 3					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 6 3/4		SINGLES 26 20'	SIZE _____		SINGLES _____	SIZE _____		SINGLES _____
TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____
MAKE _____		TOTAL DEPTH 520' T.D. 505'	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	20	Surface sand	180	200	sandy shale	340	480	shale
20	60	SHALE	200	260	shale	480	500	sand & shale
60	100	sand shale	260	280	sandy shale	500	520	bent- & shale
100	140	shale	280	300	sand - water			
140	160	sandy shale	300	320	sand -			
160	180	sand - wet	320	340	sand & water 15 Gallons			

REMARKS -	REMARKS - Hit water AT 330' THE NEXT A.M. the water was standing AT approx. 280' The hole is making approx. 15 per minute. The total depth was 520' T.D. 505'	REMARKS -

SIGNED: Toolpusher

Brian Burge

Company Supervisor