

961

30-039-21671

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. 34 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #56A

cps 1420w

Elevation 6443' Completion Date 9/12/79 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. 90' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4000 lbs.

Depths anodes placed: 350', 340', 330', 320', 310', 300', 290', 280', 270', 260'

Depths vent pipes placed: 400'

Vent pipe perforations: 310'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. I
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

CONTRACT 2

Drilling Log (Attach Hereto) ☐

Completion Date 9-12-79

Well Name SJ. 30-6 #56A		Location SE 34-30-6		CPS No. 1420W	
Type & Size Bit Used 6 3/4		2" X 60" DURIRON		Work Order No. 57414.21	
Anode Hole Depth 420-415	Total Drilling Rig Time	Total Lbs. Coke Used 4000	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	350	340	330	320	310
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	300	290	280	270	260
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	Volts 12.0		Amps 13.9		Ohms .86
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

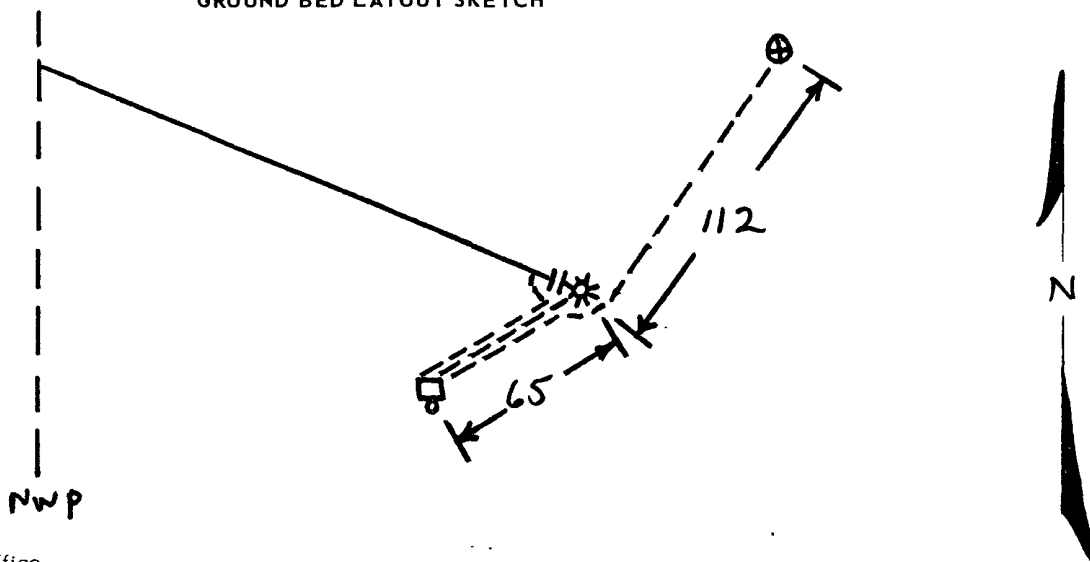
Remarks: ST% NE = .95 WATER AT 90 FT APPROX 1 GPM
Drilled 420 Logged 415 INST. 400 FT OF VENT
PIPE WITH 310 FT OF PERFORATIONS. SLURRIED
40 SACKS OF COKE

Hole depth = -85
 STUB POLE
 40V 16A RECT
 DITCH & CABLE = 177
 EXTRA CABLE = 155

All Construction Completed

Robert J. Bahner
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6443

DAILY DRILLING REPORT

CPS# 1420W

Contract # 2

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE 9-12

1978

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.

	NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____
BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SE. 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	8		Surface - clump	338	355		Sandy shale				
8	3.5		Shale	355	420		Sandstone				
3.5	90		Sand - water								
90	150		Shale								

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
150	162	Sandstone						
162	180	Shale						
180	205	Sandstone						
205	245	Sandy shale						
245	260	Hard Sandstone						
260	338	Shale						

REMARKS -

REMARKS -

REMARKS —

SIGNED: Toolpusher

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-12-79
By: RJB
File: 1420W

1420 W SE34-30-6 57414.21
ST 9/8 600' NE = .95 UNION = OK

9-12-79 = 10 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

90	.4	315	1.5
5	1.3	20	2.0 - 4
100	2.2	5	1.5
5	2.1	30	1.6 - 3
10	1.7	5	1.5
5	1.6	40	1.5 - 2
20	2.1	5	1.2
5	2.3	50	1.7 - 1
30	1.9	5	.8
5	1.9	60	.5
40	2.1	5	.5
5	1.8	70	.6
50	1.4	5	.4
5	.8	80	.7
60	1.1	5	.9
5	2.0	90	.9
70	1.8	5	.7
5	1.9	400	.4
80	1.9	5	.3
5	1.8	10	
90	1.3	5	
5	1.2	20	
200	1.4		
5	1.6		
10	2.0		
5	2.1		
20	2.0		
5	2.1		
30	1.9		
5	1.7		
40	1.8		
5	1.9		
50	1.8		
5	1.6		
60	1.8 - 10		
5	2.1		
70	1.9 - 9		
5	1.9		
80	1.5 - 8		
5	1.9		
90	1.9 - 7		
5	1.9		
300	2.1 - 6		
5	2.3		
10	2.0 - 5		

WATER AT 90 FT DRILLED
420FT Logged 415 FT. INST.
400FT OF VENT PIPE WITH
310FT PERF. SLURRED 40
SACKS OF COKE.

Charged 1-10FT STALK 1"
Rigid CONDUIT TO THIS
LOCATION AT EPN 6 WAREHOUSE
HOLE Depth = -85
STUB Pole
40016A Rect
DITCH + CABLE = 177
extra CABLE = 155
(includes 25 FT hookup wire)

- ① 350 - 1.8 - 2.7
- ② 340 - 1.4 - 2.8
- ③ 330 - 1.7 - 3.0
- ④ 320 - 2.1 - 3.2
- ⑤ 310 - 2.0 - 3.1
- ⑥ 300 - 2.4 - 3.9
- ⑦ 290 - 1.9 - 3.5
- ⑧ 280 - 1.5 - 3.1
- ⑨ 270 - 1.8 - 3.1
- ⑩ 260 - 2.0 - 3.2

12.0V 139A = .86 ohms

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

Analysis No. 1-9820 Date 2-6-80

Operator El Paso Natural Gas Well Name San Juan 30-6 #56A

Location SE 34-30-6 County Rio Arriba State New Mexico

Field _____ Formation _____

Sampled From CPS T420W

Date Sampled _____ By _____

Tbg. Press. _____	Csg. Press. _____	Surface Csg. Press. _____
ppm	epm	ppm epm

Sodium <u>162</u>	<u>7</u>	Chloride <u>104</u>	<u>3</u>
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Calcium <u>11</u>	<u>.6</u>	Bicarbonate <u>283</u>	<u>5</u>
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Magnesium <u>0</u>	<u>0</u>	Sulfate <u>17</u>	<u>.4</u>
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Iron _____		Carbonate <u>0</u>	<u>0</u>
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H ₂ S _____		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
90 Ft.
Sand & Silt

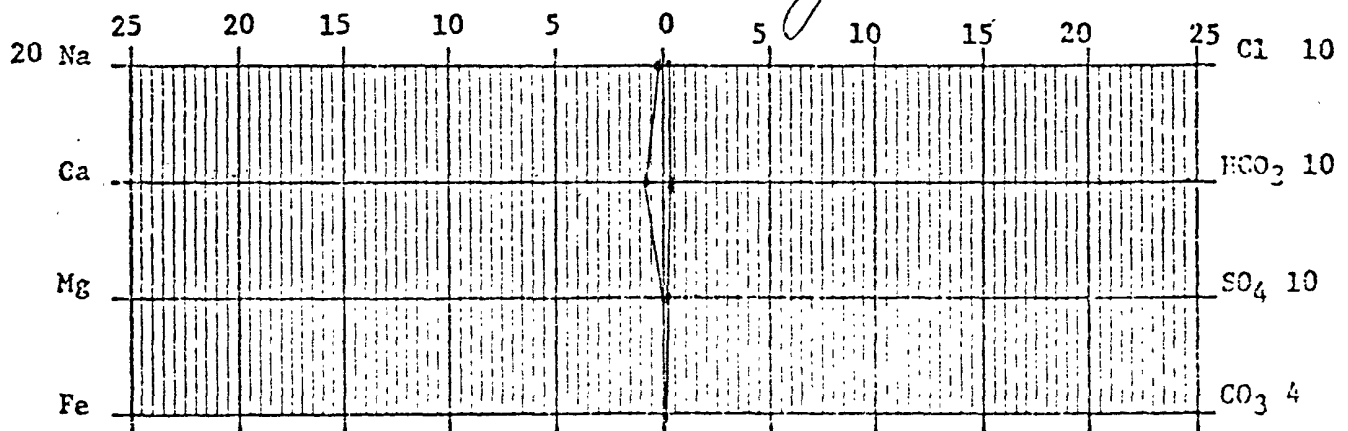
Total Solids Dissolved 1058

pH 8.3

Sp. Gr. 1.0080 at 60°F

Resistivity 571 ohm-cm at 77 °F

Joe Barnett
Chemist GK



Scale: epm