

1242

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30-039-21867

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. 13 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #57A

cps 1505w

Elevation 6606' Completion Date 7/15/80 Total Depth 380' 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. WET AT 20' WATER AT 60' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3600 lbs.

Depths anodes placed: 320', 310', 300', 290', 280', 230', 220', 210', 200', 190'

Depths vent pipes placed: 380'

Vent pipe perforations: 360'

Remarks: gb #1

RECEIVED
MAY 31 1991.
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) ☐

Completion Date 7-15-80

Well Name S.J. 28-6 #57A		Location NW 13-28-6		CPS No. 1505W	
Type & Size Bit Used 6 3/4				Work Order No. 57552-21	
Anode Hole Depth 380 Logged 376	Total Drilling Rig Time	Total Lbs. Coke Used 3600	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth					
# 1 320	# 2 310	# 3 300	# 4 290	# 5 280	# 6 270
# 7 220	# 8 210	# 9 200	# 10 190		
Anode Output (Amps)					
# 1 4.9	# 2 4.7	# 3 4.0	# 4 4.2	# 5 3.0	# 6 3.9
# 7 3.6	# 8 4.1	# 9 3.1	# 10 2.4		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 12.0	Amps 17.0	Ohms .70			No. 2 C.P. Cable Used

Remarks: STATIC 9s 600' W = .91 UNION-good DRILLER SAID WET AT 20'
WATER AT 60' DRILLED TO 380' Logged 376' - CAUGHT WATER SAMPLE
AT 60' TOTAL WATER APPROX 56PM INST 380' VENT P.PE 360' PERI
SLURRIED 36 SACKS OF COKE.

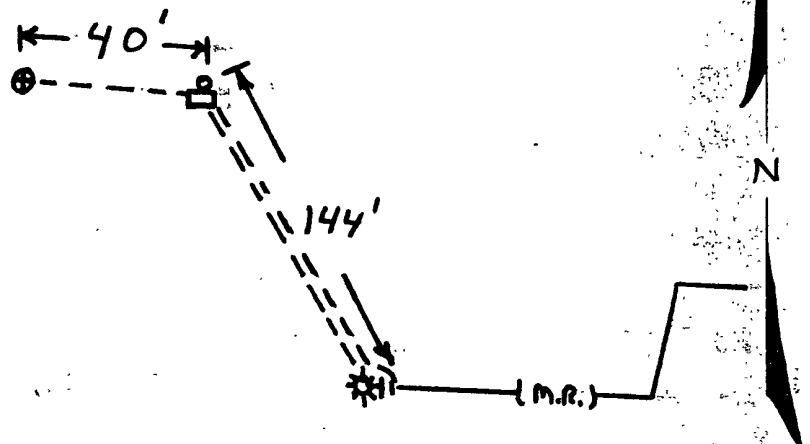
10' STUB POLE
40V 16A RECT
JCT. BOX
Ditch + cable = 184'
EXTRA cable = 164'
Hole Depth = 124'

All Construction Completed

Ruben J. Balmick
(Signature)

GROUND BED LAYOUT SKETCH

Time	Res	OT
7-15-80	8	2



DISTRIBUTION:

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

66606

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 7-15-80
By: RAB
File: 1505u

S.J.28-6 #57A NW13-28-6
57552-21

7-15-80-10 hrs

STATIC 43600' W = .91 UNION = good
1505 W

144 Neg
40 hrs

DRILLER SAID WET AT 20' WATER
AT 60' CAUGHT WATER SAMPLE
WATER APPROX 56 PPM Drilled
to 380' Logged 376' INST
380' VENT PIPE 360' PERF
36 SACKS OF COKE

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

60	1.1	260	.8
	2.1		1.2
70	2.4	70	1.1
	3.2		2.0
80	2.8	80	2.3-5
	2.7		2.5
90	2.4	90	2.0-4
	1.7		2.0
100	1.4	300	2.7-3
	1.2		2.6
10	1.0	10	2.8-2
	1.3		3.1
20	1.6	20	1.7-1
	3.0		1.2
30	3.3	30	.9
	3.6		.7
40	3.5	40	.7
	3.5		1.0
50	3.5	50	.7
	3.4		.6
60	2.3	60	.6

- ① 320-2.6-4.9
- ② 310-2.7-4.7
- ③ 300-2.2-4.0
- ④ 290-2.1-4.2
- ⑤ 286-1.3-3.0
- ⑥ 230-2.6-3.9
- ⑦ 220-2.2-3.6
- ⑧ 210-2.5-4.1
- ⑨ 200-2.2-3.1
- ⑩ 190-1.6-2.4

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

70	1.9	70	-
	1.4		-
80	1.5	80	- 376 TD
	1.7		-
90	2.1-10		
	2.2		
200	2.0-9		
	2.2		
10	2.6-8		
	2.2		
20	1.8-7		
	2.5		
30	2.1-6		
	1.7		
40	1.0		
	1.2		
50	1.2		
	1.1		

12.0 V 17.0A = .7 ohms

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

Analysis No. 1-10017 Date 11-12-80

Operator El Paso Natural Gas Well Name San Juan 28-6 #57A

Location NW 13-28-6 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From CPS 1505-W @ 60 ft.

Date Sampled 7-15-80 By Robert Babnick

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

Sodium	ppm	1881	eppm	81.8	Chloride	ppm	60	eppm	1.7
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Calcium	ppm	392	eppm	19.6	Bicarbonate	ppm	195	eppm	3.2
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Magnesium	ppm	142	eppm	11.7	Sulfate	ppm	5200	eppm	108.2
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Iron	ppm	No test	eppm	0	Carbonate	ppm	0	eppm	0
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H ₂ S	ppm	No test	eppm	0	Hydroxide	ppm	0	eppm	0
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cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

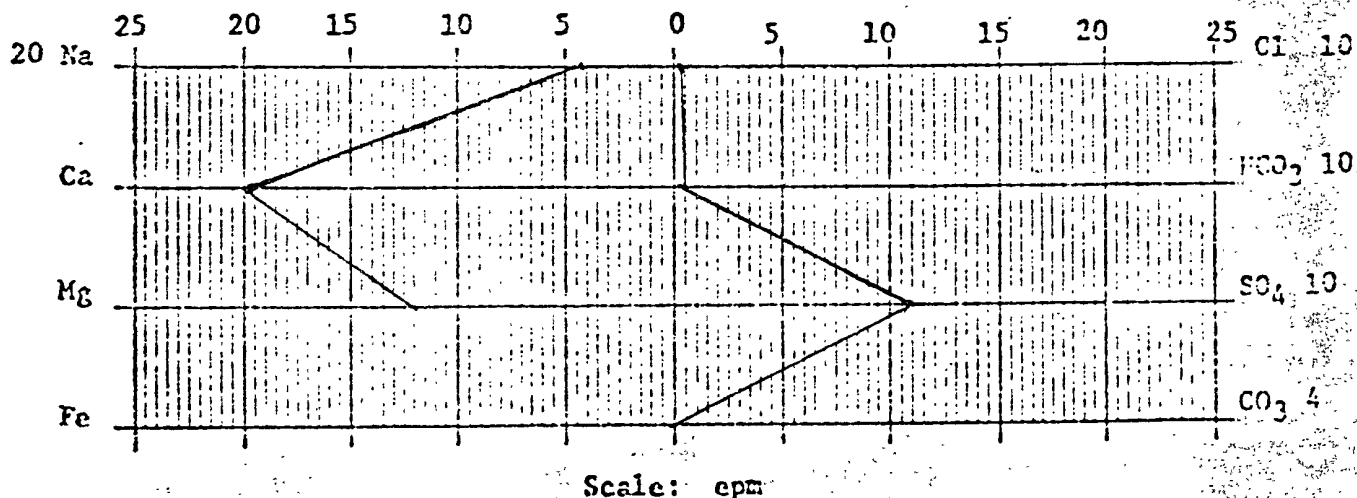
Total Solids Dissolved 18286

pH 7.2

Sp. Gr. 1.0074 At 60°F

Resistivity 111 ohm-cm at 77°F

Je. Barnett
Chemist



CR 1505 40 DAILY DRILLING REPORT

SAN JUAN 28-6 #57A
LEASE 13-28-6 WELL NO.

Three C Drilling
CONTRACTOR

2
RIG NO.

CRS 1505 W DAILY DRILLING REPORT
REPORT NO. 5752-2 DATE Jul. 15 1980

MORNING

DAYLIGHT

EVENING

Driller <i>R. D. King</i>		Total Men In Crew <i>3</i>		
FROM	TO	FORMATION	WT-BIT	R.P.M.
<i>0</i>	<i>20</i>	<i>sandstone</i>		
<i>20</i>	<i>40</i>	<i>sandstone</i>		
<i>40</i>	<i>60</i>	<i>sandstone with sand</i>		
<i>60</i>	<i>80</i>	<i>with sand sandstone</i>		

Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M
200	220	sandstone shale		
220	240	shale		
240	260	shale		
260	280	sandstone		

Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC	SIZE	LENG.
BIT NO.	NO. DC	SIZE
NO. DC	SIZE	LENG.
SER. NO.	STANDS	
SIZE	SINGLES	
TYPE	DOWN ON KELLY	
MAKE	TOTAL DEPTH	

	NO. DC ____ SIZE ____ LENG. ____
BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.	STANDS
SIZE	SINGLES
TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH

	NO. DC _____ SIZE _____ LENG. _____
BIT NO.	NO. DC _____ SIZE _____ LENG. _____
SERIAL NO.	STANDS
SIZE	SINGLES
TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH

[illegible][illegible]

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
80	100	shale
100	120	shale sandstone
120	140	shale
140	160	shale sandstone
160	180	shale sandstone
180	200	shale sandstone

FROM	TO	TIME BREAKDOWN
280	300	sandstone shale
300	320	shale
320	340	shale
340	360	shale sandstone
360	380	sandstone

[illegible]

REMARKS - Water was at 60' feet is
making 5 gallons an minute

[illegible][illegible]

SIGNED: Toolpusher Kevin Burge

Company Supervisor