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30-039-21903

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. 30 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #9A

cps 1473w

Elevation 6289' Completion Date 8/7/80 Total Depth 540' Land Type* N/A

Casing, Sizes, Types & Depths 12' OF SURFACE CASING

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. 180' SAMPLE TAKEN

Depths gas encountered: 540'

Type & amount of coke breeze used: 49 SACKS

Depths anodes placed: 395', 385', 375', 330', 320', 310', 300', 230', 220', 210'

Depths vent pipes placed: 540'

Vent pipe perforations: 380'

Remarks: gb #1 WATER WENT DOWN HOLE WHILE COKING.

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). ☐

2"X60" Purion

Completion Date 8/7/80

Well Name S.J. 30-6 9A		Location SE 30-30-7		CPS No. 1473 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57570-21	
Anode Hole Depth 540' T.O. 540'	Total Drilling Rig Time	Total Lbs. Coke Used 49 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth # 1 395' # 2 385' # 3 375' # 4 330' # 5 320' # 6 310' # 7 300' # 8 230' # 9 220' # 10 210'					
Anode Output (Amps) # 1 2.3 # 2 2.5 # 3 2.1 # 4 2.4 # 5 2.6 # 6 2.8 # 7 2.1 # 8 3.2 # 9 3.4 # 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 Volts 10.8 Amps 12.0 Ohms .9	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		

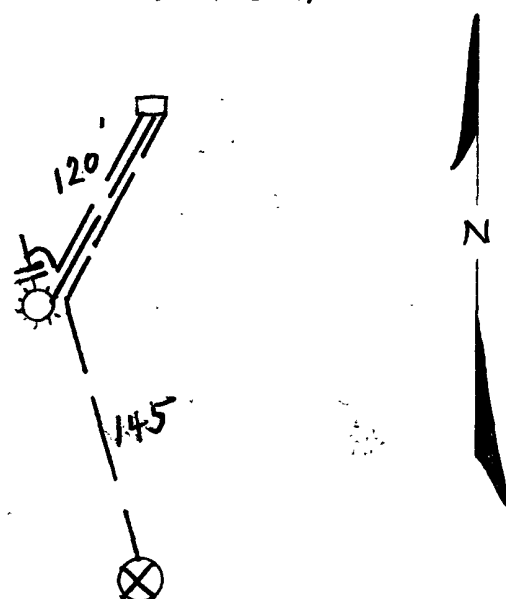
Remarks: STATIC 600' E. = .76 V INSULATED UNION checked OK
DRILLER SAID WATER AT 180'. Approx. 2 gal./min. Drilled to 300'.
WATER standing in Hole next A.M. AT 180'. TOOK WATER SAMPLE. Set
12' of surface casing (1 Hr. Rig Time) Drilled to 540'. HIT GAS,
CAME OUT, & Logged Hole to 540'. INSTALLED 540' of 1" P.V.C.
VENT pipe Perforated 380'. WATER WENT DOWN HOLE while
casing.

All Construction Completed

Ditch + 1 cable = 265' ✓
EXTRA cable = 270' ✓
20' meter loop pole ✓
40V 16A Rect. ✓
Hole Depth + 40' ✓
1 Hr. Rig Time for setting ✓
surface casing.

GROUND BED LAYOUT SKETCH

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



DISTRIBUTION:

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

6289

San Juan 30-6 11 9A

Three C Drilling

2

CPS 1473W

DAILY DRILLING REPORT

LEASE SE 30-30-7

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO. 57570-21

DATE August 7 1980

MORNING

DAYLIGHT

EVENING

Driller Kevin Buge

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.
0	180	sandstone shale bentonite water sand												
180	200	sandstone shale												
200	300	sandstone shale												
300	330	shale												

BIT NO.

SERIAL NO.

SIZE 6 7/8

TYPE

MAKE

NO. DC

SIZE

LENG.

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

BIT NO.

SERIAL NO.

SIZE

TYPE

MAKE

NO. DC

SIZE

LENG.

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

BIT NO.

SERIAL NO.

SIZE

TYPE

MAKE

NO. DC

SIZE

LENG.

STANDS

SINGLES

DOWN ON KELLY

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

330	360	sandstone						
360	400	shale						
400	540	sandstone shale						

REMARKS - Water at 180'. Approx. 2GPM
logged 540'. Hit gas at 540'

REMARKS -

REMARKS -

SIGNED: Toolpusher Kevin Buge

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

S.J. 30-6²9ACPS * 1473 W
SE 30-30-7

W.O. 57570-21

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

170 -	380 - 1.7 -
80 -	1.9 - ②
90 - .5	90 - 1.7
.3	1.4 - ①
200 - .4	400 - 1.2
.5	.6
10 - 1.9 - ⑩	10 - .4
2.1	.5
20 - 1.5 - ⑨	20 - .6
1.9	.6
30 - 1.3 - ⑧	30 - .6
.7	.9
40 - .5	40 - 1.5
.4	1.0
50 - .5	50 - .8
.5	.7
60 - .5	60 - .6
.5	.6
70 - .5	70 - .8
.5	.6
80 - .6	80 - .7
.6	.7
90 - .7	90 - .6
.9	.7
300 - 1.5 - ⑦	500 - .7
1.7	.6
10 - 1.9 - ⑥	10 - .6
1.6	.7
20 - 1.6 - ⑤	20 - .7
1.4	1.4
30 - 1.4 - ④	30 - 1.3
.9	1.4
40 - .5	T.D
.5	
50 - .6	
.6	
60 - .6	
.6	
70 - .6	
1.3 - ③	

Driller said WATER AT 180'.
Approx. 29 GAL./min. Drilled
To 300; WATER STANDING
in hole NEXT A.M. AT 180'.
Took WATER SAMPLE. SET 12'
of SURFACE CASING. (1 Hr. Rig
Time) Drilled To 540'. HIT
GAS Logged Hole To 540'.
INSTALLED 540' of 1" P.V.C.
VENT Pipe, Perforated 380'.
WATER WENT DOWN HOLE
while casing.

$$108 \text{ V. } 120 \text{ A.} = 9 \text{ } \Omega$$

8/7/80

JL

1 - 395 -	1.6 - 2.3
2 - 385 -	1.6 - 2.5
3 - 375 -	1.4 - 2.1
4 - 330 -	1.4 - 2.4
5 - 320 -	1.6 - 2.6
6 - 310 -	1.8 - 2.8
7 - 300 -	1.5 - 2.1
8 - 230 -	1.8 - 3.2
9 - 220 -	1.9 - 3.4
10 - 210 -	1.9 - 3.5

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

Analysis No. 1-10033 Date 11-12-80

Operator El Paso Natural Gas Well Name San Juan 30-6 #9A

Location SE 30-30-7 County Rio Arriba State New Mexico

Field Blanco Formation _____

Sampled From CPS 1473 W @ 180 ft.

Date Sampled 8-7-80 By _____

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

Sodium <u>138</u> ppm	<u>6.0</u> epm	Chloride <u>24</u> ppm	<u>0.7</u> epm
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Calcium <u>136</u>	<u>6.8</u>	Bicarbonate <u>190</u>	<u>3.1</u>
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Magnesium <u>12</u>	<u>1.0</u>	Sulfate <u>480</u>	<u>10.0</u>
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Iron <u>No test</u>		Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>No test</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: C.B. O'Nan Total Solids Dissolved 1150

R.A. Ullrich

E.R. Paulek pH 7.4

J.W. McCarthy

A.M. Smith Sp. Gr. .9978 At 60°F

W.B. Shropshire Resistivity 800 ohm-cm at 77 °F

D.C. Adams

File

Joe Barnette
Chemist

