

1280

2A-30-045-23696

3-30-045-21156

E

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. 17 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced TAPP #2A, RIDDLE G #3

cps 1579w

Elevation 5767' Completion Date 9/18/81 Total Depth 420' Land Type* N/A

Casing, Sizes, Types & Depths 66' OF 8" STEEL CASING

If Casing is cemented, show amounts & types used BOTTOM OF CASING

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. 40' & 170' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 5040 lbs.

Depths anodes placed: 395', 385', 375', 325', 315', 305', 245', 235', 225', 215'

Depths vent pipes placed: 420'

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). ☐

(2" x 60" DURATION)

Completion Date 9-18-81

Well Name TAPP-2A RIDDLE-G*3		Location SE 17-28-8		CPS No. 1579 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57653-21-50-20 55272-21-50-20	
Anode Hole Depth 420'	Total Drilling Rig Time 1099' 420'	Total Lbs. Coke Used 5040	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	#1 395	#2 385	#3 375	#4 325	#5 315
	#6 305	#7 245	#8 235	#9 225	#10 215
Anode Output (Amps)	#1 4.6	#2 4.6	#3 4.5	#4 4.3	#5 5.5
	#6 4.5	#7 4.7	#8 4.7	#9 4.8	#10 4.9
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 11.5		Amps 25.0		Ohms .46
		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: STATIC ON TAPP 2A, 600' S = .72V Riddle G*3 HAS ROAD BOX. ST. (UNIONS CHECKED OK) Pulled 22' of 8" casing + Reset 66' of 8" steel casing Installed 420' of 1" vent pipe, Perforated 360' of vent pipe slurred 5040 lb of coke.

1 60V 30A Rect ✓
1 20' meter Pole ✓
Ditch + 1 cable - 441' ✓
EXTRA cable - 155' ✓
Hole Depth - 80' ✓

All Construction Completed

William Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH

Pulled 22' of 8" casing + Reset 66' of 8" casing - 6 hr ✓

9-16-81 3 hr ✓

9-17-81 3 hr ✓

6 Sack of Cement ✓

Time	Req	O.T
9-18-81	8	✓
9-18-81	8	3 ✓

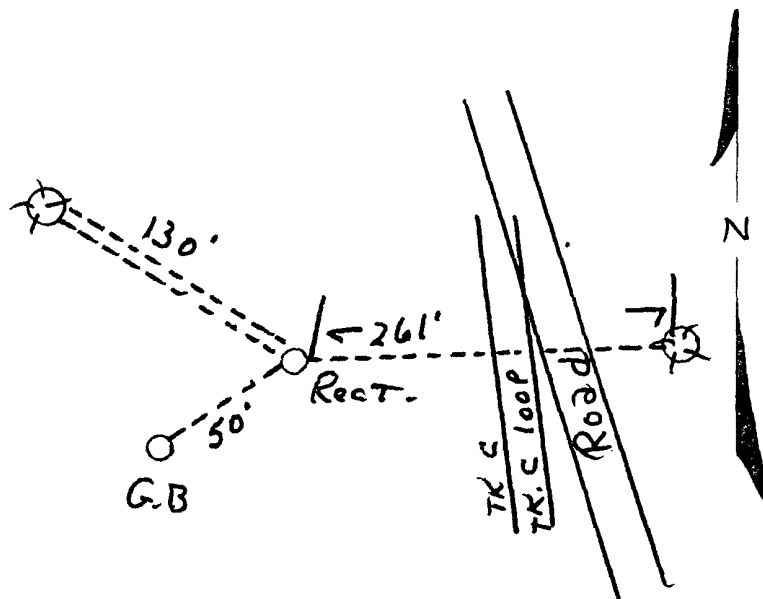
DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

5767



El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

TAPP - 2A
Riddle - G 3

CPS 1579 W
SE 17-28-8

W.O. 57653-21-50-20
55272-21-50-20

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

1 60V 30A Rect
1 20' meter Pole
DITCH + 1 cable - 441'
EXTRA cable - 155'
Hole Depth - 90'

SET 66' of 8" steel casing
cemented off at bottom.
water standing in casing
next A.M. AT 22' Driller
said HIT FIRST WATER AT
40'. Approx 5 gal./min. HIT
more water AT 170' approx.
20-30 gal./min.
Installed 420' of 1" vent, Perforated
360' of vent pipe slurred 500/lb

80	1.80	30	2.80	80	3.50	OT COKE
85	1.70	35	2.90 ⑧	85	3.30 ②	
90	1.50	40	3.50	90	3.90	
95	1.90	45	3.10 ⑦	95	3.20 ①	
100	1.40	50	2.60	100	2.60	
05	1.50	55	2.00	05	2.20	
10	1.40	60	1.60	10	1.80	
15	1.30	65	1.30	15	2.50	
20	1.40	70	1.50	20	2.50 TD	
25	1.60	75	2.40	25		
30	1.60	80	2.30	30		
35	2.10	85	1.30	35		
40	2.70	90	1.80	40		
45	1.50	95	1.20	45		
50	1.50	100	3.10	50		
55	1.50	05	3.20 ⑥			
60	1.50	10	3.70			
65	1.70	15	4.10 ⑤			
70	1.60	20	3.70			
75	1.50	25	3.10 ④			
80	2.60	30	1.60			
85	2.70	35	1.00			
90	2.30	40	1.10			
95	1.60	45	1.20			
100	1.60	50	1.10			
05	1.90	55	1.70			
10	2.10	60	2.60			
15	3.50 ⑩	65	2.30			
20	3.40	70	2.30			
25	3.20 ⑨	75	3.00 ③			

①	395	330	4.60
②	385	340	4.60
③	375	310	4.50
④	325	310	4.30
⑤	315	4.00	5.50
⑥	305	320	4.50
⑦	245	320	4.70
⑧	235	3.00	4.70
⑨	225	330	4.80
⑩	215	3.60	4.90

115 V
250 A
146 2

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

Analysis No. 1-10368 Date 10-8-81

Operator El Paso Natural Gas Well Name Tapp #2A - CPS 1579 W

Location SE 17-28-8 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From 40' & 170'

Date Sampled 9-21-81 By Willis Knight

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

	ppm	epm		ppm	epm
Sodium	<u>1,633</u>	<u>71.0</u>	Chloride	<u>34</u>	<u>1.0</u>

Calcium	<u>142</u>	<u>7.1</u>	Bicarbonate	<u>51</u>	<u>0.8</u>
---------	------------	------------	-------------	-----------	------------

Magnesium	<u>8</u>	<u>0.7</u>	Sulfate	<u>3,700</u>	<u>77.0</u>
-----------	----------	------------	---------	--------------	-------------

Iron	<u> </u>	<u> </u>	Carbonate	<u>0</u>	<u>0</u>
------	---------------	---------------	-----------	----------	----------

H ₂ S	<u> </u>	<u> </u>	Hydroxide	<u>0</u>	<u>0</u>
------------------	---------------	---------------	-----------	----------	----------

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

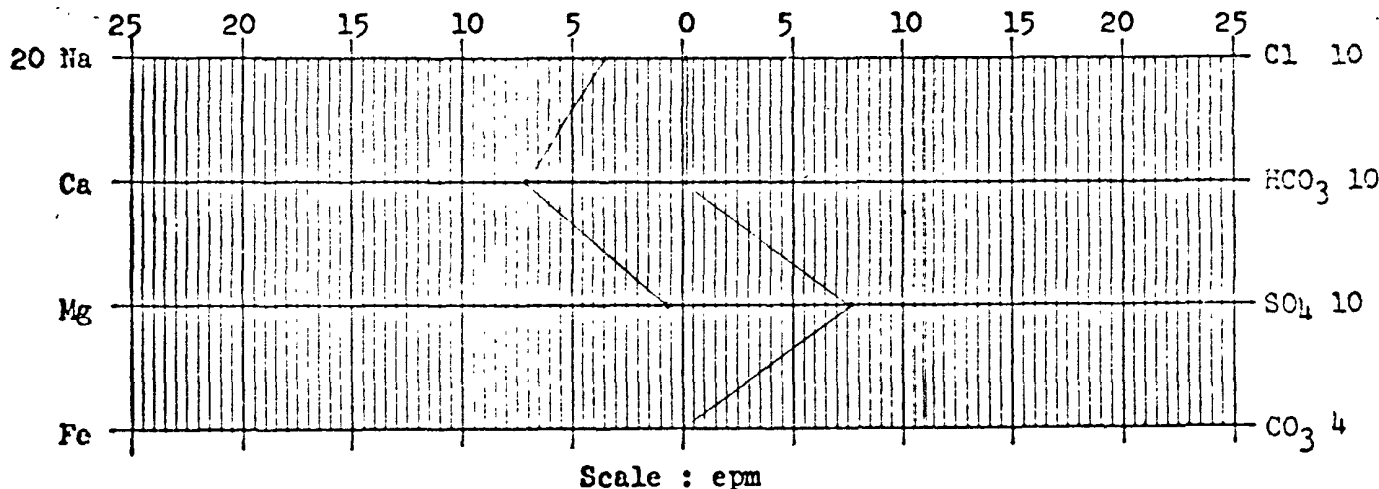
Total Solids Dissolved 6,116

pH 6.8

Sp. Gr. 1.0411 At 60°F

Resistivity 132 ohm-cm at 71°F

Dennis P. Bird
Chemist RZE



DAILY DRILLING REPORT

Tape #2A Riddle G#3

CPS 1579 14'

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE Aug 25 1981

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.	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.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S L NO.		STANDS			S L NO.		STANDS			S L NO.		STANDS			S L NO.		STANDS			S L NO.		STANDS			S L NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			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			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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -

2 hrs Setting Casing }
3 hrs Standby }
Drilled 80 feet

REMARKS -

Poy 3 Hrs - 1219 Time - O.H.S.
- T.W.F.

REMARKS -

SIGNED: Toolpusher

Steve Story

Company Supervisor

TAPP #2A & RIDDLE G #3

CPS # 1579-W

LEASE _____ WELL NO. _____ CONTRACTOR CPS RIG NO. _____ REPORT NO. _____ DATE 9-18 1981

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.

BIT NO.		NO. DC _____ SIZE _____ LENG. _____	BIT NO.		NO. DC _____ SIZE _____ LENG. _____	BIT NO.		NO. DC _____ SIZE _____ LENG. _____
S. L. 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.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	6.5	SAND (SURFACE)	300	325	SHALE			
65	175	SAND	325	375	SAND			
175	190	SANDY SHALE	375	395	SHALE			
2	210	SAND	395	420	SAND			
210	245	SHALE						
245	300	SAND						

REMARKS -	REMARKS -	REMARKS -
WATER @ 40' 5 GAL MIN.		
WATER @ 170 25 GAL MIN.		
DRILLED 420' T.D. 420		
SET 66' OF SURFACE		
9-16-81 3HRS RIG TIME		
9-17-81 3HRS RIG TIME		

SIGNED: Toolpusher _____

Company Supervisor _____

Dany E. Mikhah