

2A - 30-045-22835
4 - 30-045-20765

4994

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. 1 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY B #2A, #4

cps 1365w

Elevation 6646' Completion Date 8/6/79 Total Depth 495' 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. DAMP 40' - 80' WATER 120' - 140'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 58 SACKS

Depths anodes placed: 480', 470', 460', 450', 440', 430', 420', 410', 400', 390'

Depths vent pipes placed: 500'

Vent pipe perforations: 400'

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.

8 hrs reg
4 hrs OT

PROTECTION CONSTRUCTION RE
DAILY LOG
CONTRACT #2

Drilling Log (Attach Hereto). ☐

2" x 60" Durizon

Completion Date

8-6-79

Well Name SUNRAY B2A		Location NW1-30-10		CPS No. 1365W	
Type & Size Bit Used 6 3/4"				Work Order No. 57304-21	
Anode Hole Depth 495'		Total Drilling Rig Time		Total Lbs. Coke Used 58 BAGS	
				Loss Circulation Mat'l Used SUNRAY B4	
No. Sacks Mud Used 54840-19					
Anode Depth					
# 1 480	# 2 470	# 3 460	# 4 450	# 5 440	# 6 430
# 7 420	# 8 410	# 9 400	# 10 390		
Anode Output (Amps)					
# 1 2.5	# 2 2.3	# 3 1.8	# 4 2.6	# 5 3.6	# 6 3.6
# 7 3.3	# 8 2.9	# 9 1.8	# 10 1.8		
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		
Volts 11.8			No. 2 C.P. Cable Used		
Amps 11.2					
Ohms 1.0					

Remarks:

Volts	11.8	Amps	11.2	Ohms	1.0
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Remarks: Driller advised damp from 40 to 80' Good water sand 120' to 140. Estimate 4 to 6 gal minute (Sample)
 Drilled to 500' logged to 495'.
 Sunday B2A not tied in yet.
 Records show Row to B4 clear for negative to rocky for ditcher will have to plow when we place AC cable.

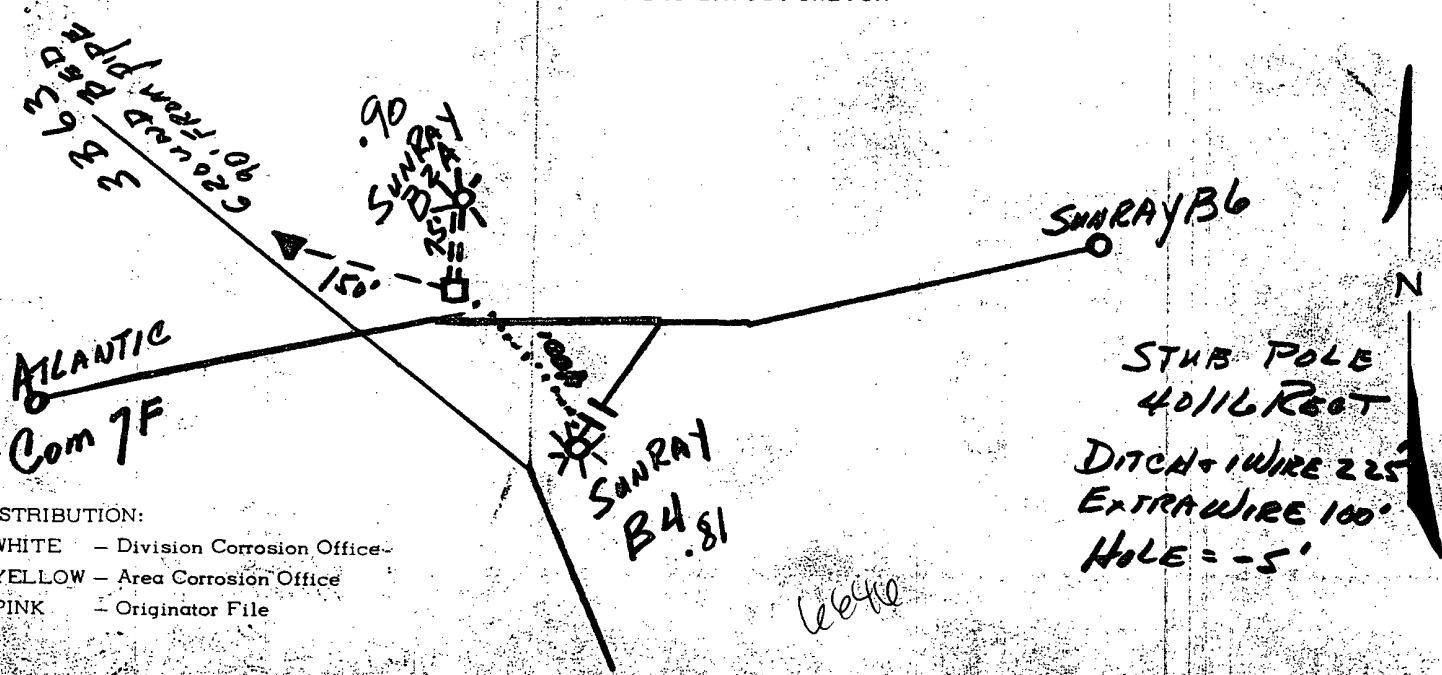
All Construction Completed

B. L.

(Signature)

(Signature

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

Q.# 1365

DAILY DRILLING REPORT

LEASE WELL NO. CONTRACTOR *Perry* RIG NO. REPORT NO. 8-6 DATE 19 79

MORNING

DAYLIGHT

EVENING

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

BIT NO. 6344 NO. DC SIZE LENG. NO. DC SIZE LENG.

SET NO. 40 NO. DC SIZE LENG. NO. DC SIZE LENG.

SIZE 4.5 STANDS 495 STANDS

TYPE DOWN ON KELLY SINGLES

MAKE DOWN ON KELLY TOTAL DEPTH

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 BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN			
FROM	TO			FROM	TO			FROM	TO		
0	24	surface									
24	40	spud wt									
40	45	shale									
45	60	spud wt									
60	65	shale									
65	80	spud wt									

REMARKS -

80-85 shale

85-100 sand wt

100-120 shale

120-140 spud wt

140-165 shale

165-380 sandy shale

380-400 shale

400-500 sandy shale

SIGNED: Toolpusher *Perry* Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

8 Hrs day
4 Hrs OT
Sheet: 8-6-79
Date: 8-6-79
By: B.T.
File:

SUNRAY B2A 1365 W 57304-21
SUNRAY B4 NW1-30-10 54840-19

Driller advised Lamp from 40' to 80' Good water,
sand from 120' to 140' Estimate 5 to 6 gal min.
(samples) Drilled to 500' logged 495'

500' 1" PVC Vent pipe perforated 400'

495' TD

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

11.8 V 11.2 A = 1.0 Ω

150	3				
55	5	55	.1	55	1.6
60	.8	60	.2	60	1.1
65	.8	65	.3	65	1.0
70	.9	70	.3	70	.4
75	.6	75	.3	75	.4
80	.3	80	.3	80	.5
85	.2	85	.3	85	.9
90	.1	90	.2	90	1.1 (10)
95	.1	95	.2	95	1.1
200	.1	300	.3	400	1.0 (9)
5	.2	5	.6	5	1.1
10	.3	10	.8	10	1.1 (8)
15	.2	15	.8	15	1.8
20	.2	20	.5	20	2.0 (7)
25	.2	25	.2	25	1.9
30	.7	30	.2	30	2.0 (6)
35	.4	35	.3	35	1.9
40	.2	40	.4	40	1.7 (5)
45	.2	45	.4	45	1.9
50	.1	50	.7	50	1.8 (4)
				55	1.5
				60	1.0 (3)
				65	1.0
				70	1.3 (2)
				75	1.8
				80	1.7 (1)
				85	1.8
				90	1.7
				95	
				500	
1=	480	2.0	2.5		
2=	470	1.4	2.3		
3=	460	1.0	1.8		
4=	450	2.0	2.6		
5=	440	2.2	3.6		
6=	430	2.5	3.6		
7=	420	2.4	3.3		
8=	410	1.9	2.9		
9=	400	1.0	1.8		
10=	390	1.1	1.8		

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

Analysis No. 1-9667 Date 8-14-79

Operator EPNG Well Name Sunny B4 & B2A

Location NW1-30-10 County SAN JUAN State NEW MEXICO

Field _____ Formation _____

Sampled From CPS 1365 W

Date Sampled _____ By _____

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

ppm epm ppm epm

Sodium 69 3 Chloride 20 1

Calcium 228 11 Bicarbonate 181 3

Magnesium 27 2 Sulfate 600 12

Iron PRESENT 0 Carbonate 0 0

H₂S ABSENT 0 Hydroxide 0 0

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
~~A.M.Smith~~
W.B.Shropshire
File
C.B. O'Nan

Total Solids Dissolved 1346

pH 7.3

Sp. Gr. 1.0024 at 60°F

Resistivity 660 ohm-cm at 75 °F

Charles T. Mullen
Chemist

