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30-045- 24139

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. 21 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY D #1A

cps 1572w

Elevation 6426' Completion Date 9/2/81 Total Depth 500' 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. 50' - 70' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 470', 445', 405', 380', 330', 310', 295', 280', 170', 150'

Depths vent pipes placed: 500'

Vent pipe perforations: 460'

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.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐ Completion Date 9-2-81

Well Name	Location	GPS No.
SUNRAY "D" 1A	NW 21-30-10	1572 W
Type & Size Bit Used: UNION OTC	STATIC = .89	Work Order No.: 57782-21-50-20
Anode Hole Depth: 500' LOG 495'	Total Drilling Rig Time	Total Lbs. Coke Used / Lost Circulation Matl Used / No. Sacks Mud Used

	1	2	3	4	5	6	7	8	9	10
Anode Depth	470	445	405	380	330	310	295	280	170	150
Anode Output (Amps)	463	532	355	442	281	466	403	330	216	308
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	No. 2 C.P. Cable Used
Volts 11.8	Amps 22.5	Ohms .52			

Remarks: WET 50' TO 70' AFTER 30 MIN BLOW SAMPLE MAY BE TO MUDDY.
40' 1" PLAIN VENT PIPE BALANCE PERFORATED

All Construction Completed

BT
(Signature)

GND BED

45'

GROUND BED LAYOUT SKETCH

150'

40-16 ✓
STUB ✓
POLE

DITCH #1 CABLE = 195'
XTRA CABLE = 170' ✓
HOLE = ● - 5' ✓

N

TIME	REG	OT
9-2-81	8	2 ✓

DISTRIBUTION:
WHITE — Division Corrosion Office
YELLOW — Area Corrosion Office
PINK — Originator File

le426

Form 22-2 (Rev 5-79)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

Lindsay "D" #1A — LEASE — WELL NO. — CONTRACTOR Stacy Drilling — RIG NO. CPS 1572 11' — REPORT NO. — DATE Oct 2 — 19 81

MORNING

Driller — Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

SERIAL NO. — STANDS

SIZE — SINGLES

TYPE — DOWN ON KELLY

MAKE — TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN
0	80	Sand
80	120	Shale
120	160	Sand
160	180	Shale
180	230	Sandy Shale
230	280	Sand

REMARKS –

Water 80

Drilled 500 TD 495

DAYLIGHT

Driller — Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

SERIAL NO. — STANDS

SIZE — SINGLES

TYPE — DOWN ON KELLY

MAKE — TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN
280	380	Sandy Shale
380	480	Shale
480	500	Sand

REMARKS –

EVENING

Driller — Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

BIT NO. — NO. DC ___ SIZE ___ LENG. ___

SERIAL NO. — STANDS

SIZE — SINGLES

TYPE — DOWN ON KELLY

MAKE — TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher _____ Company Supervisor _____

EL PASO NATURAL GAS COMPANY

Form 7-354 (Rev 11-77)

Sheet ____ of ____
Date: 9-2-81
By: BT

1572 W S7782-21-50-20

SUNRAY "D" #1A NW 21-30-10

WET FROM 50' TO 70' BLOW SAMPLE
AFTER 30 MIN SAMPLE TO MUDDY
40' 1" PLAIN VENT PIPE BALANCE PERFORATED

DRILLED 500
LOGED 495

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

MISC MW		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_2S	5 17
28 01	N_2	4 16
2 02	H_2	3 38

80	1.60	55	1.49	30	1.00	5	3.19		
85	124	60	2.35	35	.77	10	2.72	- 6	
90	2.19	65	2.20	40	.80	15	2.46		
95	2.41	70	1.55	45	1.01	20	2.00		
100	1.58	75	1.23 - 9	50	1.03	25	1.98		
5	.78	80	1.06	55	.89	30	1.80		
10	.62	85	.98	60	.79	35	1.55	- 5	
15	.54	90	.83	65	.77	40	1.42		
20	.50	95	.86	70	.98	45	1.35		
25	.60	200	.53	75	1.22	50	1.03		
30	.63	5	.70	80	1.26 - 8	55	1.15		
35	.57	10	.98	85	2.13	60	.94		
40	.82	15	.95	90	2.52	65	.74		
45	.70	20	.71	95	2.42 - 7	70	.83		
50	.68 - 10	25	.73	800	2.60 -	75	.87		
			11.8 VOLTS			80	1.85	- 4	
			22.5 AMPS			85	3.13		
			.52		- 2	90	3.05		
1	470'	2.94	463	450	3.33	95	1.72		
2	445'	3.34	532	65	3.24	400	1.04		
3	405'	2.38	355	60	3.20	5	.92		
4	380'	3.03	442	65	2.94 - 1	10	2.32		
5	330'	1.88	281	70	2.89	15	2.43		
6	310'	2.89	466	75	2.67	20	2.06		
7	295'	2.57	403	80	2.26	25	1.10		
8	280'	1.95	330	85	1.64	30	1.22		
9	170'	1.36	216	90	1.51	35	1.42		
10	150'	1.72	308	95		40	2.94		
				500		45	3.19		

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

Analysis No. 1-10328 **Date** 9-21-81

Operator El Paso Natural Gas **Well Name** Sun Ray "D"-1A CPS 1572 W

Location NW 21-30-10 **County** San Juan **State** New Mexico

Field Kutz **Formation**

Sampled From 50 - 70'

Date Sampled 9-2-81 **By** B.T.

Tbg. Press. **Csg.** **Surface Csg. Press.**

	ppm	epm		ppm	epm
Sodium	1555	67.6	Chloride	72	2.0
Calcium	508	25.4	Bicarbonate	127	2.1
Magnesium	108	8.9	Sulfate	4,700	97.8
Iron			Carbonate	0	0
H_2S			Hydroxide	0	0

Total Solids Dissolved 6,614

pH 7.2

Sp. Gr. 1.0215 **At** 60°F

Resistivity 138 ohm-cm at 75 °F

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

Joe. P. Barnett & Dennis P. Bird
Chemist