8 E

832

30-045-22391

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. 32 Twp 31 Rng 10

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

cps 1265w

Elevation 6229' Completion Date 5/17/78 Total Depth 400' 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. 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 370', 360', 350', 340', 330', 320', 310', 290', 230', 220'

Depths vent pipes placed: 400'

Vent pipe perforations: 280'

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 5/17/78

Well Name	Location	CPS No.
SUNRAY K Com #1A	SE 32-31-10	1265 W

Type & Size Bit Used	Work Order No.
6 3/4"	57199-21

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
400' — 400' T.D				

Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	370'	360'	350'	340'	330'	320'	310'	290'	230'	220'
Anode Output (Amps)	4.7	5.2	4.7	4.8	4.4	4.5	4.8	3.4	3.7	4.5
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			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.5	Amps 18 A	Ohms .64Ω		

Remarks: STATIC 600' EAST = .86V Drilled To 140' Driller said HIT WATER. Next A.M. WATER IN HOLE AT 130', Took WATER SAMPLE, Driller said Hole MAKING Approx. 1 gal/min. Drilled To 400'. Log STOPPED AT 400'. INSTALLED 400' of 1" P.V.C. VENT Pipe. PERFERATED 280'.

DITCH + 1 wire = 298'

EXTRA WIRE = 104'

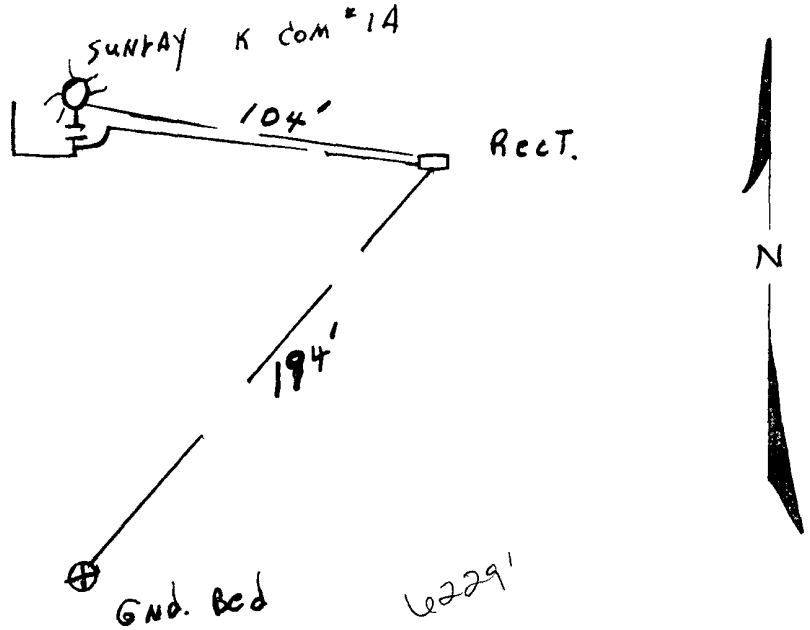
40/16 RECT. & STUB POLE

HOLE DEPTH — 100'

All Construction Completed

J E Statts
(Signature)

GROUND BED LAYOUT SKETCH



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

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE WELL NO. #1265W CONTRACTOR Posey RIG NO. REPORT NO. DATE 5/17/1978

MORNING

Driller Total Men In Crew

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

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'	5	SURFACE
5	30	SAND
30	45	SHALE (Blue)
45	70	SAND
70	75	SHALE SANDY
75	80	SAND

REMARKS –

DAYLIGHT

Driller Total Men In Crew

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

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
80	87	SHALE
87	110	SAND
110	115	SANDY SHALE
115	140	SAND (MAKING Water)
140	210	SANDY SHALE
210	275	BROWN SHALE

REMARKS –

Approx. 1 GAL. per min.

TOOK 3000 SAMPLE AT 140'

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
	T.D. 400'			
	400'			

NO. DC ____ SIZE ____ LENG. ____

BIT NO. ____

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. ____ STANDS ____

SIZE 1099 SINGLES ____

TYPE ____ DOWN ON KELLY ____

MAKE ____ TOTAL DEPTH ____

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
275	287	SANDY SHALE
287	370	BROWN SHALE
370	375	RED SHALE
375	400'	BROWN SHALE

REMARKS –

SIGNED: Toolpusher _____ Company Supervisor _____

Form 7-1 (Rev 9-77)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet ____ of ____
Date ____
By ____
File ____

SUNRAY K COM #1A SE-32-31-10

CPS- 1265 W 57199-21

Drilled To 140, Drilled said HIT WATER. WATER STANDing in Hole Meri. A.M AT 130'. Took WATER SAMPL Hole MAKEing APPROX 15./min Drilled To 400'. INSTALLED 400' of 1" P.V.C. VENT PERFORATED TO 280'

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

140 — .8
— .9
50 — 1.4
— 2.0
60 — 1.9
— 1.8
70 — 1.6
— 1.6
80 — 1.4
— 1.0
90 — .9
— 1.0
200 — 1.0
— 1.4
10 — 1.8
— 1.9
20 — 2.0 — (13)
— 2.0
30 — 2.1 — (9)
— 1.8
40 — 1.8
— 1.7
50 — 1.2
— .9
60 — 1.0
— .9
70 — .8
— .8
80 — .8
— 2.0
90 — 2.1 — (8)
— 1.8
300 — 1.5
— 2.2

310 — 2.5 — (2)
— 2.5
20 — 2.4 — (6)
— 2.4
30 — 2.2 — (5)
— 2.2
40 — 2.5 — (4)
— 2.6
50 — 2.6 — (3)
— 2.6
60 — 2.6 — (7)
— 2.7
70 — 2.6 — (1)
— 2.8
80 — 2.7
— 2.6
90 — 2.2
— 1.8
400 — 1.6 Drilled To — T.D.

1 — 370' — 3.4 — 4.7
2 — 360' — 3.4 — 5.2
3 — 350' — 3.5 — 4.7
4 — 340' — 3.2 — 4.8
5 — 330' — 3.0 — 4.4
6 — 320' — 3.0 — 4.5
7 — 310' — 3.2 — 4.8
8 — 290' — 2.1 — 3.4
9 — 230' — 3.2 — 3.7
10 — 220' — 2.6 — 4.5

11.5V 18A = .64Ω

5/17/78

El Paso Natural Gas Company
San Juan Division
Farmington, New Mexico
Production Department Water Analysis

Analysis No. 1-9171 Date 5-31-78

Operator EPNG Well Name Sunray K COM #1A

Location SE 32-31-10 County San Juan State NM

Field _____ Formation _____

Sampled From CPS 1265W 140' Approx 1g/min

Date Sampled _____ by TD 400'

Tubing Pressure _____ Casing Pressure _____ Surface casing pressure _____

	ppm	epm		ppm	epm
Sodium	207	9	Chloride	24	1
Calcium	452	23	Bicarbonate	132	2
Magnesium	27	2	Sulfate	1500	31
Iron	Present		Carbonate	0	0
H_2S	Absent		Hydroxide	0	0

Total Dissolved Solids 2394

ph 7.4

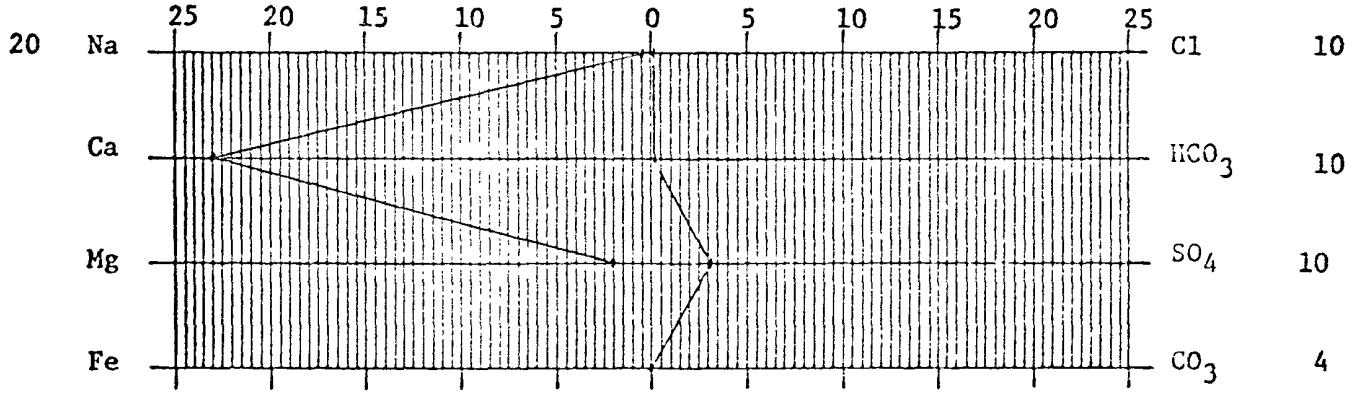
Sp. Gr. 1.0036 at 60°F

Resistivity 400 ohm-cm at 74 °F

Chief Technician

Chemist

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



Scale: epm