1243

E

30-039-21871

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. 16 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #49A

cps 1504w

Elevation 6627' Completion Date 7/9/80 Total Depth 640' 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 320' - 390'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6700 lbs.

Depths anodes placed: 590', 580', 570', 560', 550', 540', 530', 520', 510', 500'

Depths vent pipes placed: 620'

Vent pipe perforations: 320'

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). ☐ 2" x 60" Duriron Completion Date 7-9-80

Well Name	Location	CPS No.
S.J.-28-6 # 49A	NW-16-28-6	1504W

Type & Size Bit Used	Work Order No.
6 3/4	57551-21

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
640 Logged 624		6700		

Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	590	580	570	560	550	540	530	520	510	500
Anode Output (Amps)	2.8	4.0	3.6	3.6	3.6	3.7	3.2	3.3	3.5	4.0

Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)										

Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.3	Amps 17.5	Ohms .70			

Remarks: STATIC c/s 600'sw = .88 INS. UNION - good Driller said 2 damp spots above 200' no water overnight. very damp 320 to 395 waited 15 min. could no get water to surface. Drilled to 420' lost returns believe wet spots 320-3 caused mud ring to seal off hole. started injection drilled to 480' water standing in hole 280' next am. Believe water between 320-395'. Drilled to 640' Logged 624' inst 620' vent pipe 320' perf. Slurried 67 sacks of cok

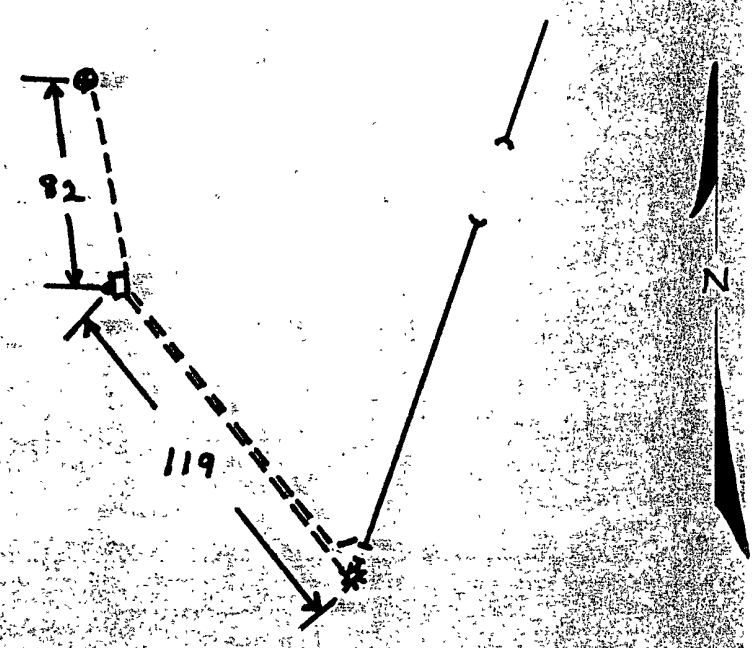
10' stub pole
40v 16A Rect.
Jct Box
Ditch & cable = 201
extra cable = 139
Hole Depth = +124

time	Reg	OT
7-8-80	7	
7-9-80	8	2

All Construction Completed

Robert J. Belnick
(Signature)

GROUND BED LAYOUT SKETCH



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

6627

Form 7-1 (Rev 9-77)

El Paso Natural Gas Company

ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 7-8-80
By: RLB
File: 1504W

S.J. 28-6 # 49-A NW-16-28-6 7-8-80 7 hrs
WO 57551-21 1504W 7-9-80
STATIC 4/5 600' SW = .88 UNION-good

117 neg
80 pos

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

				Driller said two damp spots above 200' NO WATER overnight VERY DAMP 320 to 395' WAITED 15 min could not get WATER to SURFACE DRILLED TO 420'
300		500	2.5 — 10	
			2.4	IN: Lost RETURNS Believe WET
10		10	2.3 — 9	spots 320-395 caused mud
			2.1	RING sealing OFF hole WATER
20	.5	20	2.4 — 8	STANDING IN hole AT APPROX
	.9		2.1	280 FT NEXT AM Believe
30	1.1	30	2.1 — 7	WATER between 320-395
	1.0		2.5	DRILLED 640 FT logged 624 FT
40	1.0	40	2.4 — 6	INST. 620 FT VENT PIPE
	.9		2.3	320 FT PERF.
50	1.0	50	2.4 — 5	
	1.1		2.5	
60	1.0	60	2.5 — 4	
	1.1		2.5	
70	1.1	70	2.4 — 3	
	1.1		2.5	
80	1.0	80	2.8 — 2	
	1.0		2.2	
90	1.0	90	2.1 — 1	
	1.6		1.9	
400	1.7	600	2.5	
	1.6		2.1	1 - 590 - 2.0 - 2.8
10	1.6	10		2 - 580 - 2.8 - 4.0
	1.5		— 614	3 - 570 - 2.3 - 3.6
20	1.2	20		4 - 560 - 2.5 - 3.6
	1.3			5 - 550 - 2.3 - 3.6
30	1.5	30		6 - 540 - 2.4 - 3.7
	1.3			7 - 530 - 2.0 - 3.2
40	1.1	40		8 - 520 - 2.3 - 3.3
	1.2			9 - 510 - 2.3 - 3.5
50	1.2			10 - 500 - 2.5 - 4.0
	1.1			
60	1.1			12.3 V 17.5 A = .70 ohms
	1.6			
70	2.1			
	2.1			
80	2.3			
	2.4			
90	2.4			
	2.6			

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

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

San Juan 28-6 Unit #49A — Three C Drilling — 2 — CPS 1504-W — DAILY DRILLING REPORT

LEASE NW 16-28-6 WELL NO. — CONTRACTOR — RIG NO. — REPORT NO 57651-21 DATE July 8-9 1980

MORNING

Driller Kevin Burge — Total Men In Crew 3

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	100	Sandstone clay shale		
100	200	sandstone bentonite shale		
200	300	Sandstone shale bentonite		
300	470	Water sand sandstone bentonite		

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

SE. NO. — NO. DC ___ SIZE ___ LENG. ___

SIZE 6 3/4 — STANDS

TYPE — SINGLES

MAKE — DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN
470	640	Shale

REMARKS – Flows dramp at 200' on, 280' and was very dramp from 320' to 395'. Water was standing at 250' next AM. Logged 6 3/4

DAYLIGHT

Driller — Total Men In Crew

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

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

SERIAL NO. — NO. DC ___ SIZE ___ LENG. ___

SIZE — STANDS

TYPE — SINGLES

MAKE — DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller — Total Men In Crew

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

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

SERIAL NO. — NO. DC ___ SIZE ___ LENG. ___

SIZE — STANDS

TYPE — SINGLES

MAKE — DOWN ON KELLY

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Kevin Burge — Company Supervisor