1= 30-045-09846
2= 30-045-20480

4947

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 6 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced QUIGLEY #1, QUIGLEY #2

cps 44w

Elevation 6510' Completion Date 12/6/73 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. WET 65' & 170'. BIG WATER 340'.

Depths gas encountered: N/A

Type & amount of coke breeze used: 7500 lbs.

Depths anodes placed: 468', 440', 430', 405', 390', 380', 370', 350', 340', 320', 31

Depths vent pipes placed: N/A

Vent pipe perforations: 400'

Remarks: gb #2

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. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 12-6-73

Well Name	Location	CPS No.
Quigley #1	SW 6-30-9	44W 52293

Type & Size Bit Used	Work Order No.
6¾	

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
500		7500		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	468	440	430	405	390	380	370	350	340	320
Anode Output (Amps)	3.4	1.8	2.0	1.4	2.1	3.0	2.5	3.2	2.3	2.4

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth	310	300								
Anode Output (Amps)	3.4	26								

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.0	Amps 12.2	Ohms .98	64	

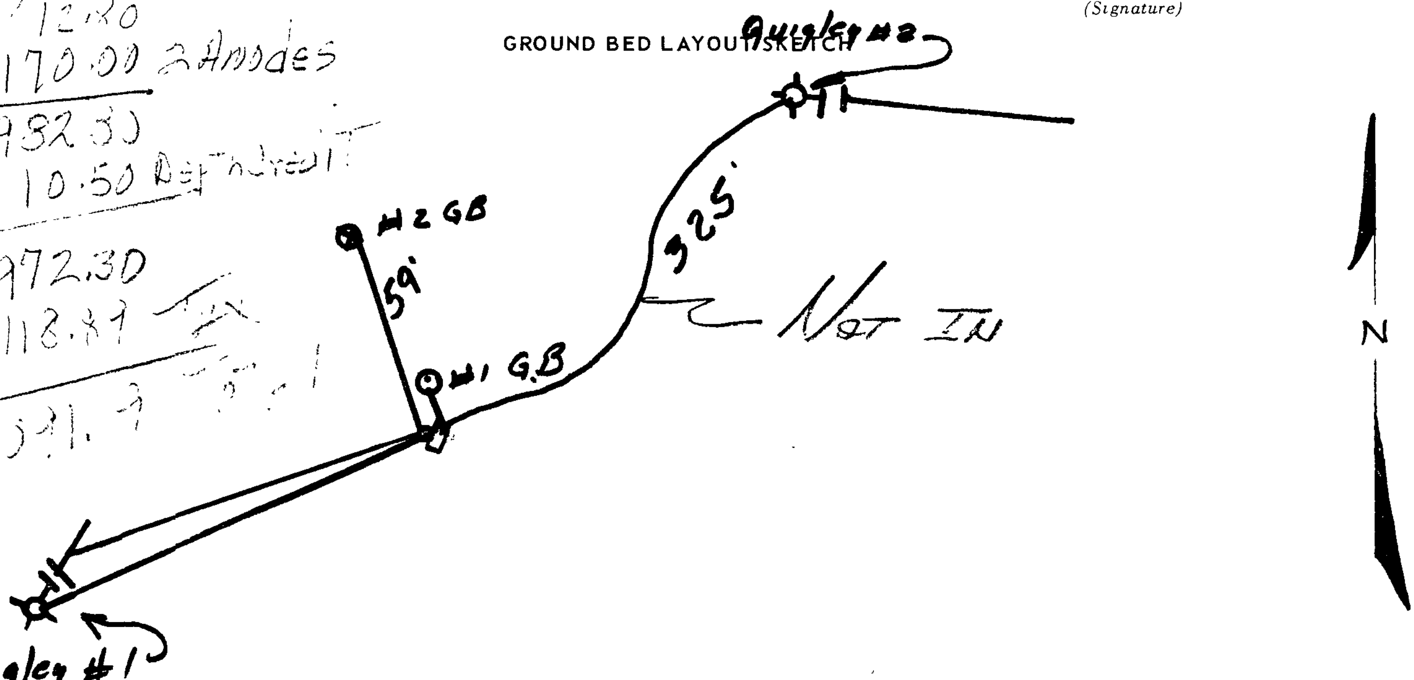
Remarks: Driller Said Wet at 65 & 170.
Drill to 500 - Hole Caved Mixed Mud & Clean out
Pumped 48 Slurry 27 Total 75
Vent Perforated 400'

[illegible],000.00
570.00
12.80 Cable
3,[illegible]12.80
170.00 2 Anodes
3,[illegible]82.30
10.50 [illegible]
3,972.30
118.87 Tax
3,[illegible]91.[illegible]

All Construction Completed

Daniels
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

C.P.S. #44-W

LEASE | WELL NO. | CONTRACTOR Mesa | RIG NO. | REPORT NO. | DATE 12-6 1973

MORNING

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	65	Dry Sand		
65	70	Wet Sand (water)		
70	100	Shale		
100	160	Sand		

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 –

DAYLIGHT

Driller | Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
160	170	Wet Sand (water)		
170	200	Shale		
200	300	Sand		
300	370	Shale		

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.
360	380	Sand (Big Water)		
360	420	Shale		
420	470	Sand		
470	501	Sand		

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 Burt Mesa Company Supervisor

Form 7-1 (Rev. 5-67)

EL PASO NATURAL GAS COMPANY

ENGINEERING DEPARTMENT

Sheet ____ of ____

Date: ____

By: ____

12-5-73 - 44W Log Sheet PAGE 1 OF 2

	60			240	4	420	5		Driller said wet
					6		1.1		at 65 & 170'
	70			40	5	30	12		Big water at 340'
		5			5		11		Water standing at 340
	80	5		60	6	40	10		Log 340 to 477
		8			5		6		Fill with water to 170
	90	6		70	5	50	4		& Log to 340
		5			5		6		Fill to 65 & Log to 170
	100	8		80	6	60	5		Tag Bottom 431
		7			6		17		
	10	5		90	5	70	23		
		4			5	TD 477			
	20	3		300	1.3	80			
		3			1.8				
	30	5		10	1 9	90			
		7			1 5				
	40	6		20	1.1	500			
		5			9				
	50	6		30	6				
		7			8				
	60	6		40	9	1.1			
		12			1.6	1.6			
	70	1.4		50	1 4	1.6			
		12			6	.7			
	80	9		60	5	.5			
		6			7				
	90	4		70	1 5				
		4			1 7				
	200	4		80	1 7				
		4			1 3				
	10	5		90	7				
		5			7				
	20	5		400	9				
		5			9				
	30	5		10	9				
		5			5				

NOTE: This Page Logged With Water

MW		gals/mol
16	C_1	6 4
30	C_2	9 56
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 77
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 38
28	CO	9 64
42	C_3	9 67

MISC		
MW		gals/mol
44	CO_2	6 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

44
60
38.0

Form 7-1 (Rev. 5-67)

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet ____ of ____
Date: ____
By: ____

12-6-73-44W

Logsheet Page 2 of 2

MW		gals/mol
16	C_1	6 4
30	C_2	9 56
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 38
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC MW		gals/mol
44	CO_2	6 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

65	.5	245	.7	425	.9
70	.6	50	.6	30	1.4
	.6		.7		1.3
80	.7	60	.8	40	1.1
	1.0		.7		1.0
90	.8	70	.6	50	.6
	.8		.7		.6
100	1.0	80	.7	60	.6
	1.0		.7		1.2
10	.8	90	.6	70	2.5
	.5		.6		2.7
20	.5	300	1.0	80	2.6
	.5		2.0	86 TD	2.6
30	.7	10	2.0	90	
	1.0		1.8		
40	.9	20	1.4	500	
	.7		1.1		
50	.8	30	.8		
	.9		1.2		
60	.8	40	1.5		
	1.5		2.0		
70	1.8	50	1.7		
	1.5		.8		
80	1.1	60	.6		
	.8		.8		
90	.6	70	1.8		
	.6		1.9		
200	.6	80	2.0		
	.6		1.6		
10	.6	90	1.0		
	.7		.8		
20	.7	400	.9		
	.8		1.0		
30	.6	10	.9		
	.7		.7		
40	.8	20	.6		

Note-
This Page Logged With Drilling Flui[d] in Hole
Mixed Mud & Clean out to 500'

Vent Perf 400'
Pump 48
Slurry 27 = 75 Total

		Log	Wtr	
1	4 68	2.2	2.1	3.4
2	4 40	1.1	1.2	1.8
3	4 30	1.4	1.3	2.0
4	4 05	1.0	.9	1.4
5	3 90	1.0	1.4	2.1
6	3 80	2.0	2.0	3.0
7	3 70	1.8	1.7	2.5
8	3 50	1.7	2.1	3.2
9	3 40	1.5	1.3	2.3
10	3 20	1.4	1.4	2.4
11	3 10	2.0	2.2	3.4
12	3 00	1.0	1.7	2.6

12.0 V 12.2 A 0.98

122 / √120.0 0.98

1.020