

909

14 - 30-039-07292

E

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 30 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #16

cps 1175w

Elevation 6715' Completion Date 8/23/77 Total Depth 690' 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 AT 425'

Depths gas encountered: N/A

Type & amount of coke breeze used: 62 SACKS

Depths anodes placed: 560', 550', 540', 530', 490', 480'

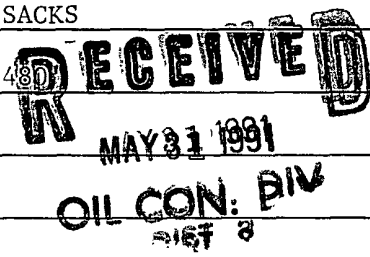
Depths vent pipes placed: 560'

Vent pipe perforations: 400'

Remarks: gb #2

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.



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date **8-23-77**

Well Name SJ 28-6# 16		Location SW 30-28-6		CPS No. 1175 W	
Type & Size Bit Used 6 3/4				Work Order No. 52520	
Anode Hole Depth 680-640	Total Drilling Rig Time	Total Lbs. Coke Used 62	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 610'	# 2 600'	# 3 590'	# 4 580'	# 5 560'	# 6 550'
# 7 540'	# 8 530'	# 9 490'	# 10 480'		
Anode Output (Amps)					
# 1 5.5	# 2 4.4	# 3 5.1	# 4 6.1	# 5 3.7	# 6 2.8
# 7 3.1	# 8 3.2	# 9 2.5	# 10 2.5		
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 15.2	Ohms 0.76			

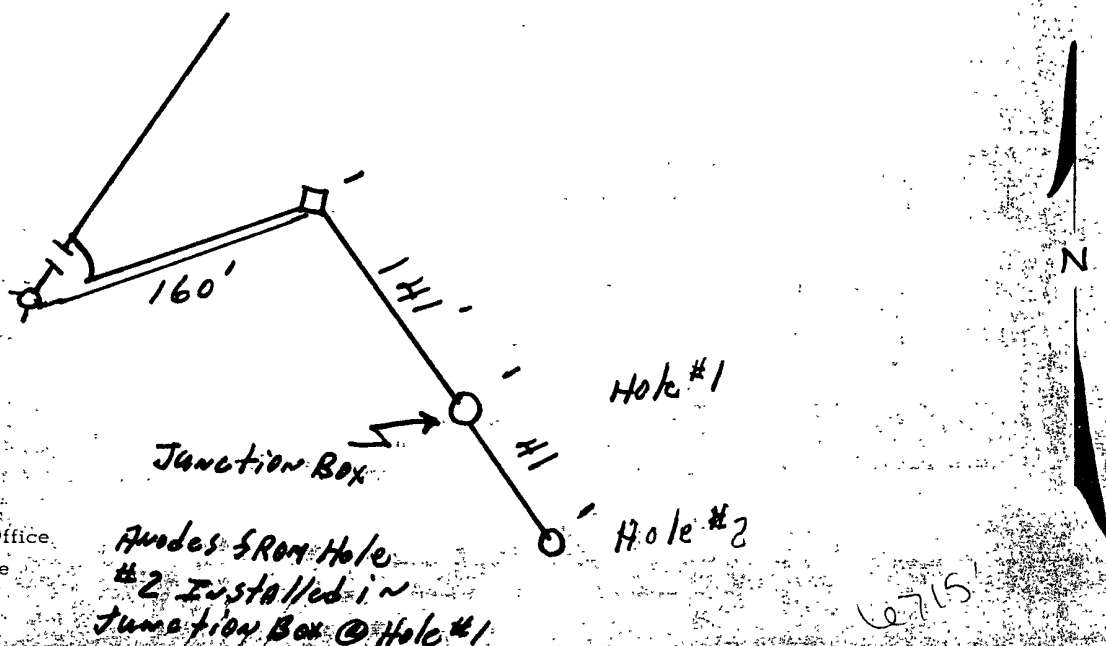
Remarks: **STATIC 77 600' EAST. 4-Anodes in Hole #1. 6 Anodes in Hole #2. Hole #2 Drilled all the way with Air. Drilled to 690'. Logging Anode Stopped @ 587. Installed 4 anodes. Hole Bridged @ 357'. Washed Bridge out & Covered All 6 Anodes. Perforated 400' of 1" PVC Vent Pipe & installed 560' of vent pipe in Hole #2. Slurried 62 Sacks of coke in Hole #2.**

All Construction Completed

W. J. Lento
(Signature)

40V 16A Rect. & Stub Pole.

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

Anodes from Hole #2 Installed in Junction Box @ Hole #1

6715

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

560
355
305

Hole #2

SAN JUAN 28-6 Unit # 16 SW 30-28-6 1175W 52520-19-50-

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	iC4	12.38
58.12	nC4	11.93
72.15	iC5	13.85
72.15	nC5	13.71
86.18	iC6	15.50
86.18	C6	15.57
100.21	iC7	17.2
100.21	C7	17.46
114.23	C8	19.39
28.05	C2	9.64
42.08	C3	9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

Static 600' E .77			DRILLER SAID DAMP @ 425'
HOU 16 A Rect.			255'
Stub Pole.			TIGHT SPOT @ 500' & 300'
			Perforated 400' of 1" PVC Vent Pipe
			Installed 560' of 1" PVC Vent Pipe
			Slurried 63 SACKS of COKE
400 .9	70	2.1	
.8		2.2	
10 .9	80	2.1	
.9		2.1	527.72
20 .7	90	2.1	
.8		2.0	
30 .7	600		
.8			
40 .8	10		
.8			
50 .8	20		Hole #1
.9			
60 .9	30		1 5.5
.8			2 4.4
70 .9	40		3 5.1
1.3			4 6.1
80 1.4	50		
1.4			
90 1.5	60		
1.4			Hole #2
500 .9	70		⑤ 560 2.4 3.7
.5			⑥ 550 1.9 2.8
10 .3	80		⑦ 540 1.8 3.1
.3			⑧ 530 1.9 3.2
20 .3	90		⑨ 490 1.6 2.5
.7			⑩ 480 1.5 2.5
30 1.4	8		11.5 volts
1.9			15.2 Amps
40 1.8	⑦		0.76 ohms
1.7			
50 1.8	⑥		
1.7			
60 1.8	⑤		
1.8			

Pulled up Hole →

COKE 335
23.5

Hole #1

5J 28-6 #16 - 1175W 7-15-77

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

400	8	635	1.6		Driller said Damp at 108, 215, 263, 380 & 480
10	1.0	30	1.6		Drill to 680 with air
20	1.0	40	1.4	T.D.	No injection
30	7	50			Dust all the way to 680
40	6	60			Mud King at 380 & 480
50	6	70			24 WAY OUT OF HOLE
60	6				
70	6				
80	7				
90	7				
100	7				
110	8				
120	9				
130	1.2				
140	1.3				
150	1.5				
160	1.4				
170	1.4				
180	1.1				
190	9				
200	8				
210	9				
220	1.2				
230	1.4				
240	1.7				
250	1.7				
260	1.4				
270	1.5				
280	1.5				
290	1.6				
300	1.6				
310	1.8				
320	1.8				
330	1.8				
340	1.8				
350	1.6				
360	1.7				
370	1.5				
380	1.4				
390	1.6				
400	1.6				

Pulled up Hole -> 10 495 1.8

1	2	2.50	2.0	2.2
2	3	6.10	1.7	2.8
3	4	6.00	2.4	2.8
4	5	5.70	2.0	2.7
5	6	5.80	2.5	3.4
6	7	5.70	2.0	2.2
7	8	5.60	1.8	2.0
8	9	5.50	1.8	2.4
9	10	5.40	2.2	2.0
10	11	4.95	1.8	

DAILY DRILLING REPORT

LEASE		WELL NO. <i>1175 W</i>		CONTRACTOR <i>Reay</i>		RIG NO.		REPORT NO.		DATE <i>8-23</i>		19 <i>77</i>					
MORNING						DAYLIGHT						EVENING					
Driller						Driller <i>Reay</i>						Driller					
Total Men In Crew						Total Men In Crew						Total Men In Crew					
FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.	
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SERIAL NO.		NO. DC		SIZE	LENG.	SERIAL NO.		NO. DC		SIZE	LENG.	SERIAL NO.		NO. DC		SIZE	LENG.
SIZE		STANDS				SIZE		STANDS				SIZE		STANDS			
TYPE		SINGLES				TYPE		SINGLES				TYPE		SINGLES			
DOWN ON KELLY		TOTAL DEPTH				DOWN ON KELLY		TOTAL DEPTH				DOWN ON KELLY		TOTAL DEPTH			
MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH			
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN			
0	4	<i>Surface</i>				155	160	<i>Shale</i>				405	475	<i>Sand wet</i>			
4	10	<i>clay</i>				160	175	<i>Sand wet</i>				475	550	<i>Sandy shale</i>			
10	20	<i>Sand stone</i>				175	225	<i>Shale</i>				550	660	<i>Shale</i>			
20	65	<i>Shale</i>				225	230	<i>Sand stone</i>				660	690	<i>Sandy shale</i>			
65	72	<i>Sand Dry</i>				230	255	<i>Shale</i>									
72	90	<i>Sand wet</i>				255	270	<i>Sand wet</i>									
REMARKS -						REMARKS -						REMARKS -					
<i>90-125 Shale</i>						<i>270-295 Shale</i>											
<i>125-139 Sand wet</i>						<i>295-325 Sand Dry</i>											
<i>139-145 Shale</i>						<i>325-330 Shale</i>											
<i>145-155 Sand stone</i>						<i>330-405 Sand Dry</i>											

SIGNED: Toolpusher

Company Supervisor

DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

____ Company Supervisor