

#33 30-039-07632

#507 30-039-24333

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 13 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #33, #507

cps 303w

Elevation 6298' Completion Date 9/24/76 Total Depth 464' 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 AT 102' & 280'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 61 SACKS

Depths anodes placed: 425', 415', 405', 395', 385', 330', 280', 200', 190', 180'

Depths vent pipes placed: N/A

Vent pipe perforations: 360'

Remarks: gb #3 ANODES #9 & #10 DID NOT RESPOND AS MUCH AS THEY SHOULD-BE LEIVE

PARTIAL BRIDGE.

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). ☐

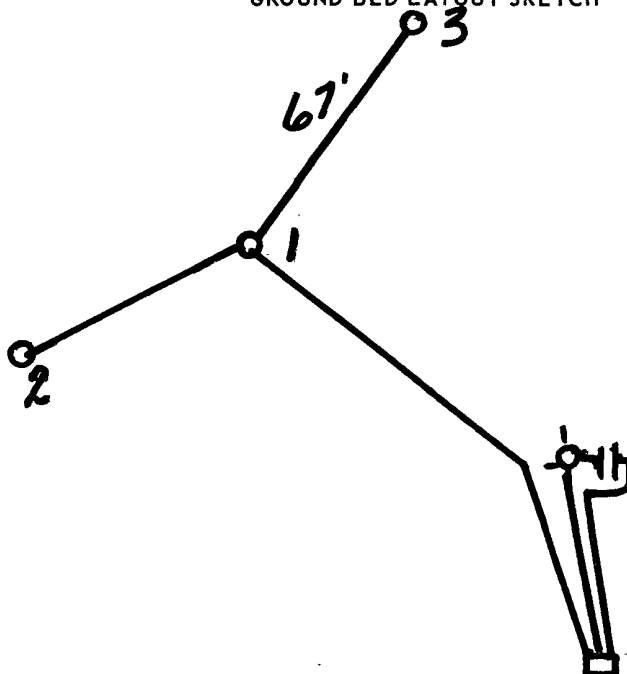
Completion Date 9-24-76

Well Name S.J. 29.7 #33		Location NE 13-29-7		CPS No. 303W	
Type & Size Bit Used 6 3/4				Work Order No. 52531	
Anode Hole Depth Log 464	Total Drilling Rig Time	Total Lbs. Coke Used 61	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 425	# 2 415	# 3 405	# 4 395	# 5 385	# 6 330
# 7 280	# 8 200	# 9 190	# 10 180		
Anode Output (Amps)					
# 1 3.1	# 2 3.3	# 3 3.7	# 4 3.7	# 5 3.5	# 6 2.9
# 7 3.0	# 8 3.2	# 9 2.6	# 10 2.7		
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					
Volts 11.8	Amps 12.7	Ohms 0.93			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: **Drill to 480' Driller said Met at 102, again at 280'- No. 9 & 10 Anode Did Not Respond as much as they should, Believe Partial Bridge Vent Perforated 360' Slurry 61 Coke**

NOTE
New G.C.S.
CONTRACT

GROUND BED LAYOUT SKETCH



All Construction Completed

David
(Signature)

2648.00
547.20 Depth
25.20 Surf. Cable
215.00 Anodes
141.60 Lead Wire
3577.00
143.08 TAX
3720.08
215.40 Insp.
50.20 Misc.
366.00 Coke

\$4,349.48 10/19/76

4

#1

DATE 8-24 19 66

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

303W

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

180	1.5	405	1.6	Drill to 480 Wtr next A.M. at 130	
	19	10	1.5		
50	1.8		1.5		
	2.0	20	1.5		
200	1.8		1.5		
	1.4	30	1.4		
10	1.4		1.6		
	1.4	40	1.6		
20	1.4		1.5		
	1.4	50	1.4		
30	1.6		1.4		
	1.6	60	1.4		
40	1.4		1.64 TD		
	1.6	70			
50	1.5				Vent Perf. 360
	1.6	80			Slurry 61 Col
	1.6				
70	1.6				
	1.9				
80	1.5				
	1.3				
90	1.8				
	1.5				
300	1.5				
	1.7				
10	1.6				
	1.4				
20	1.5				
	1.0				
30	1.4				
	1.4				
40	1.5				
	1.5				
50	1.5				
	1.9				
60	1.0				
	1.2				
70	1.2				
	1.3				
80	1.5				
	1.6				
90	1.6				
	1.7				
400	1.4				

127 11.80 12.7A 0.93

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

Operator MERIDIAN OIL Location: Unit NE Sec. 13 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #33, #507

cps 303w

Elevation 6298' Completion Date 7/20/70 Total Depth 450' 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 AT 180'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST

Type & amount of coke breeze used: 81 SACKS

Depths anodes placed: 420', 410', 400', 390', 380', 370', 360', 350', 285', 275'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #2 ALL ANODES TANDEM

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.

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If Federal or Indian, add Lease Number.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Log 9900

Drilling Log (Attach Hereto) ☐

*G4DBED #2
Contract By C.P.S.*

Completion Date *7-20-70*

Well Name <i>SJ 29-7 # 33</i>		Location <i>NE 13-297</i>		CPS No. <i>303W</i>	
Type & Size Bit Used <i>6 3/4"</i>				Work Order No. <i>184-52531-50-20</i>	
Anode Hole Depth <i>450'</i>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <i>420</i>	# 2 <i>410</i>	# 3 <i>400</i>	# 4 <i>390</i>	# 5 <i>380</i>	# 6 <i>370</i>
# 7 <i>360</i>	# 8 <i>350</i>	# 9 <i>285</i>	# 10 <i>275</i>		
Anode Output (Amps)					
# 1 <i>5.3</i>	# 2 <i>5.3</i>	# 3 <i>5.8</i>	# 4 <i>5.8</i>	# 5 <i>5.6</i>	# 6 <i>5.6</i>
# 7 <i>3.8</i>	# 8 <i>3.8</i>	# 9 <i>3.7</i>	# 10 <i>3.7</i>		
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 <i>13.0</i>	Amps <i>12.2</i>	Ohms <i>1.07Ω</i>			

Remarks: *Drill 280' with air wet at 180'*

All Anodes Dual

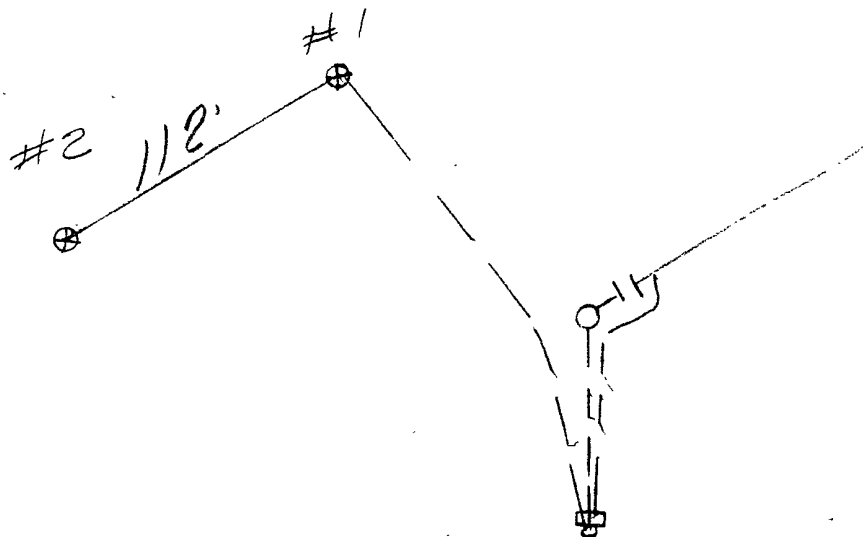
Pump 58 Sacks Coke, Slurry 23 Total 81

All Construction Completed

Barrels

(Signature)

GROUND BED LAYOUT SKETCH



30 30

wet at 180 - Drill 280

180	2.3	60	1.8	Pump 58 Socks Coke	
10	2.0		2.0		1.13
20	2.4	70	2.1	10.5	11.9
	2.0		2.2		70.5
200	1.7	80	2.3		140
	1.4		2.2		107.07
10	.8	90	2.4	12.2	130
	.8		2.4		800
20	.8	400	2.4		
	.85		2.4	10	225
30	1.2	10	2.2	9	285
	1.2		2.0	8	350
40	1.2	20	2.0	7	360
	1.2		1.8	6	370
50	1.2	30	1.2	5	380
	1.2		1.0	4	390
60	1.2	40	1.0 Bot.	3	400
	1.2			2	410
70	1.2	50		1	420
	1.85				36
80	2.10				
	1.8				
90	1.5				
	1.2				
300	1.3				
	1.2				
10	1.0				
	1.0				
20	1.5				
	1.6				
30	1.4				
	1.2				
40	1.2				
	1.2				
50	1.5				
	1.7				

MW	MISC.	gate/mol
44	CO ₂	5.38
44	N ₂	5.38
28	N ₂	4.16
2	H ₂	3.38

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 13 Twp 29 Rng 7

Name of Well/Wells or Pipeline Served SAN JUAN 29-7 UNIT #33. #507

cps 303w

Elevation 6298' Completion Date 3/7/63 Total Depth 140' 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. N/A

Depths gas encountered: N/A

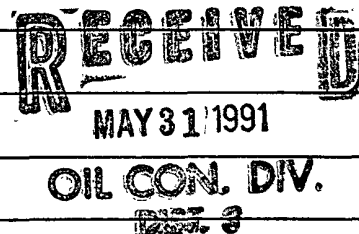
Type & amount of coke breeze used: 850 lbs.

Depths anodes placed: 114', 108', 102', 96', 90'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1



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If Federal or Indian, add Lease Number.

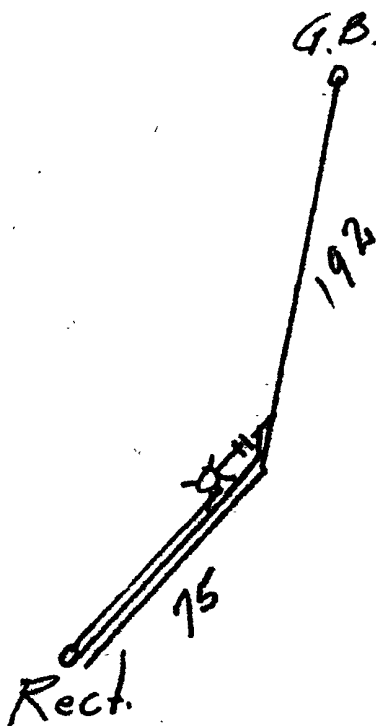
WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 3-7-63
WELL NAME San Juan 29-7 Unit #33 CPS NO. 303W
LOCATION Sec. 13T29NR7W
WORK ORDER NUMBER 184-40542-50-02
ANODE HOLE DEPTH 140
TOTAL DRILLING RIG TIME 6 Hrs.
DRILLING TIME FOR RECTIFIER POLE HOLE —
TYPE AND SIZE BIT USED 6 1/4 Rock (1519x1)
NUMBER SACKS MUD USED 0
NUMBER SACKS LOST CIRCULATION MAT'L USED 0
ANODE DEPTHS #1 114, #2 108, #3 102, #4 96 #5 90
TOTAL LBS. COKE USED 850 (10 sacks)
ANODE OUTPUTS 12.2 VOLTS, #1 3.5, #2 3.6, #3 3.5, #4 3.6 #5 3.5
TOTAL CIRCUIT RESISTANCE: VOLTS 11.8 AMPERES 7.6 OHMS 1.55
NUMBER FEET SURFACE CABLE ~~CONDUIT~~ 447
DRILLING LOG (ATTACH HERETO).
FORMATION LOG (ATTACH HERETO).
REMARKS: Static .85 R 600' East.

ALL CONSTRUCTION COMPLETED

Oth. Daniels
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

SEC. 12 1-4-44
SAUTEN 29-7 UNIT NO 53

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE			WELL NO.		CONTRACTOR		RIG NO.		REPORT NO.		DATE		1963	
MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		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.
11	110	Hard clay	75	110										
40	56	Shale	1											
56	95	SS & Sand	1											
95	140	Shale	1											
BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.		
SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
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		
REMARKS -					REMARKS -					REMARKS -				
										1100.6 51/2" core over 1101.7 1 1/2" 6 HRS 1 Lead core 7 1/2" core str. in location				

SIGNED: Toolpusher

____ Company Supervisor