

30-039-07643

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

Operator MERIDIAN OIL Location: Unit N Sec. 12 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #37

cps 312w

Elevation 6290' Completion Date 7/22/70 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. 190'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 70 SACKS

Depths anodes placed: 430', 420', 385', 375', 365', 355', 215', 205', 195', 185'

Depths vent pipes placed: 403' OF 3/4" HOSE

Vent pipe perforations: 400'

Remarks: GB #2 ALL ANODES DUAL.

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

Logged

Drilling Log (Attach Hereto). ☐

GROUND BED No. 2
Contract By C.P.S.

Completion Date *7-22-70*

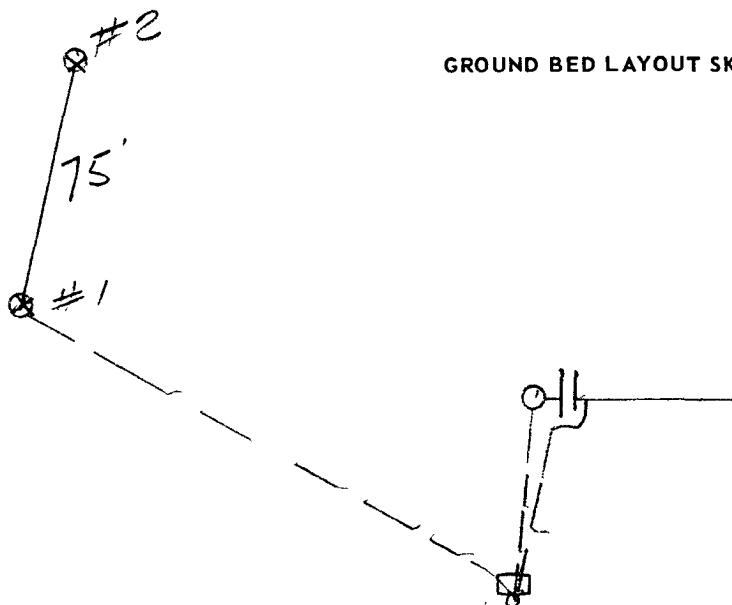
Well Name <i>S.J. 29-7 #37</i>		Location <i>12-29-7</i>		CPS No. <i>312W</i>	
Type & Size Bit Used <i>63/4</i>				Work Order No. <i>184-52656-50-20</i>	
Anode Hole Depth <i>450'</i>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <i>430</i>	#2 <i>420</i>	#3 <i>385</i>	#4 <i>375</i>	#5 <i>365</i>	#6 <i>355</i>
#7 <i>215</i>	#8 <i>205</i>	#9 <i>195</i>	#10 <i>185</i>		
Anode Output (Amps)					
#1 <i>2.8</i>	#2 <i>2.8</i>	#3 <i>4.0</i>	#4 <i>4.0</i>	#5 <i>3.2</i>	#6 <i>3.2</i>
#7 <i>5.6</i>	#8 <i>5.6</i>	#9 <i>5.0</i>	#10 <i>5.0</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		
Volts <i>11.8</i>			No. 2 C.P. Cable Used		
Amps <i>14.5</i>			Ohms <i>0.81</i>		

Remarks: *All Anodes Dual-Drill with air 110' - wet at 90'*
1" Hose to No 1 Anode, Perforated 400'
Pump 54 sacks coke, Slurry 16 Total 70

All Construction Completed

Farrell
(Signature)

GROUND BED LAYOUT SKETCH



312W

Drill 110' with Air - wet at 90' TD 450

Pump 54 socks
slurry 16
7081
14.5/1180
1160
200

10	1.85	}	4.0	5.0
9	1.95			
8	2.05	}	4.2	5.6
7	2.15			
6	3.55	}	2.4	3.2
5	3.65			
4	3.75	}	3.2	4.0
3	3.85			
2	4.20	}	2.2	2.8
1	4.30			

MW	gas/mol
16	6.4
30	9.54
44	10.92
58	12.38
72	13.85
86	15.31
100	16.77
114	18.24
128	19.70

MW	MBC	gas/mol
44	CO ₂	6.38
44	H ₂ O	5.17
28	N ₂	4.16
2	H ₂	3.38

100	2.8	80	1.7
	3.6		
10	3.8	90	1.4
	3.8		1.5
20	3.0	300	1.6
	2.6		1.6
30	3.2	10	2.0
	3.3		1.7
40	3.5	20	1.6
	3.2		1.5
50	2.8	30	1.4
	2.6		1.4
60	2.6	40	1.4
	2.9		1.4
70	3.0	50	1.5
	2.4		2.0
80	2.7	60	2.4
	2.9		2.2
90	2.9	70	2.4
	2.8		2.4
200	2.8	80	2.4
	3.0		2.2
10	2.8	90	1.8
	3.2		1.8
20	2.2	400	1.6
	1.6		1.6
30	1.5	10	1.6
	1.5		1.8
40	1.5	20	2.2
	1.6		2.7
50	1.6	30	3.2
	1.6		2.8
60	1.6	40	2.3
	1.6		1.7
70	1.7	50	1.5
	1.8		

WELL TYPE GROUNDBED DATA

DATA SHEET NO. 1

COMPANY EL PASO NAT'L GAS CO. JOB No. 5664 DATE: 7-22-70
 WELL: SAN JUAN 29-7 # 37 PIPELINE: CPS # 312
 LOCATION: SEC. 12 TWP. 29 R. 7 CO. RIO ARriba STATE N. MEXICO
 ELEV. 1650 FT. ROTARY CEM 450 FT. CABLE TOOL ☒ FT. CASING ☒
 GROUNDBED: DEPTH 450 FT. DIA. 6 3/4 IN. GAS 9000 LBS. ANODES 10. CDD-D51

DEPTH FT.	DRILLER'S LOG	DRILL PIPE TO STRUCTURE			EXPLORING ANODE TO STRUCTURE			DEPTH TOP OF ANODES
		E	I	R	E	I	R	
5	SURFACE SOIL (0-10)							
10	SAND STONE (10-130)							
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130	LIGHT COAL							
140	SANDY SALT (130-205)							
150								
160								
170								
180					12.0	2.3		
190						2.0		
200						2.4		
210						2.0		
220						1.7		
230	SAND (205-230)					1.4		
240						.80		
250						.80		

GROUNDED RESISTANCE (I) VOLTS _____ AMPS _____ OHMS

(2) VERGROUNDED _____ OHMS



Cathodic Protection Service
HOUSTON, TEXAS

WELL TYPE GROUND BED DATA

DATA SHEET NO. _____

COMPANY _____ JOB No. _____ DATE: _____

WELL: _____ PIPELINE: _____

LOCATION: SEC. _____ TWP. _____ RGE. _____ CO. _____ STATE _____

ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL _____ FT: CASING _____ FT.

GROUNDBED: DEPTH _____ FT. DIA. _____ IN. GAB _____ LBS. ANODES _____

DEPTH, FT.	DRILLER'S LOG	DRILL PIPE TO STRUCTURE			EXPLORING ANODE TO STRUCTURE			DEPTH, TOP OF ANODES
		E	I	R	E	I	R	
20						1.80		
	WATER					1.85		
20	Sandy shale (230-450)					1.70		
						1.70		
40						1.70		
						1.70		
60						1.70		
						1.70		
80						1.71		
						1.70		
100						1.70		
						1.85		
120						2.10		
						1.80		
140						1.50		
						1.25		
160						1.30		
						1.20		
180						1.00		
						1.00		
200						1.50		
						1.60		
220						1.40		
						1.30		
240						1.20		
						1.20		
260						1.50		
						1.70		
280						1.80		
						2.00		
300						2.10		
						2.10		
320						2.30		
						2.20		
340						2.40		
						2.40		
360						2.40		
						2.40		
380						2.40		
						2.40		
400						2.40		
						2.40		
420						2.40		
						2.40		
440						2.40		
						2.40		
460						2.40		
						2.40		
480						2.40		
						2.40		
500						2.40		
						2.40		
520						2.40		
						2.40		
540						2.40		
						2.40		
560						2.40		
						2.40		
580						2.40		
						2.40		
600						2.40		
						2.40		
620						2.40		
						2.40		
640						2.40		
						2.40		
660						2.40		
						2.40		
680						2.40		
						2.40		
700						2.40		
						2.40		
720						2.40		
						2.40		
740						2.40		
						2.40		
760						2.40		
						2.40		
780						2.40		
						2.40		
800						2.40		
						2.40		
820						2.40		
						2.40		
840						2.40		
						2.40		
860						2.40		
						2.40		
880						2.40		
						2.40		
900						2.40		
						2.40		
920						2.40		
						2.40		
940						2.40		
						2.40		
960						2.40		
						2.40		
980						2.40		
						2.40		
1000						2.40		
						2.40		

GROUNDBED RESISTANCE: (1) VOLTS 11.5 + AMPS 12.2 = 1.00 OHMS

(2) VIBROGROUND _____ OHMS



cathodic protection service

HOUSTON, TEXAS