

41=30-039-07520
124=30-039-23624 41807

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. 28 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #41, #124

cps 120w

Elevation 6577' Completion Date 10/15/71 Total Depth 700' 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

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 10900 lbs.

Depths anodes placed: 660', 653', 646', 639', 632', 625', 618', 611', 604', 597', 590'

Depths vent pipes placed: N/A

Vent pipe perforations: 620'

Remarks: gb #3 GROUND BED #2 ABANDONNED. CONTRACTOR ATTEMPTED TO LOAD-PUMPING HOSE
HUNG UP AND WAS PULLED IN TWO.

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

CPS CONTRACT

Log

Drilling Log (Attach Hereto). ☐

Completion Date 10-15-71

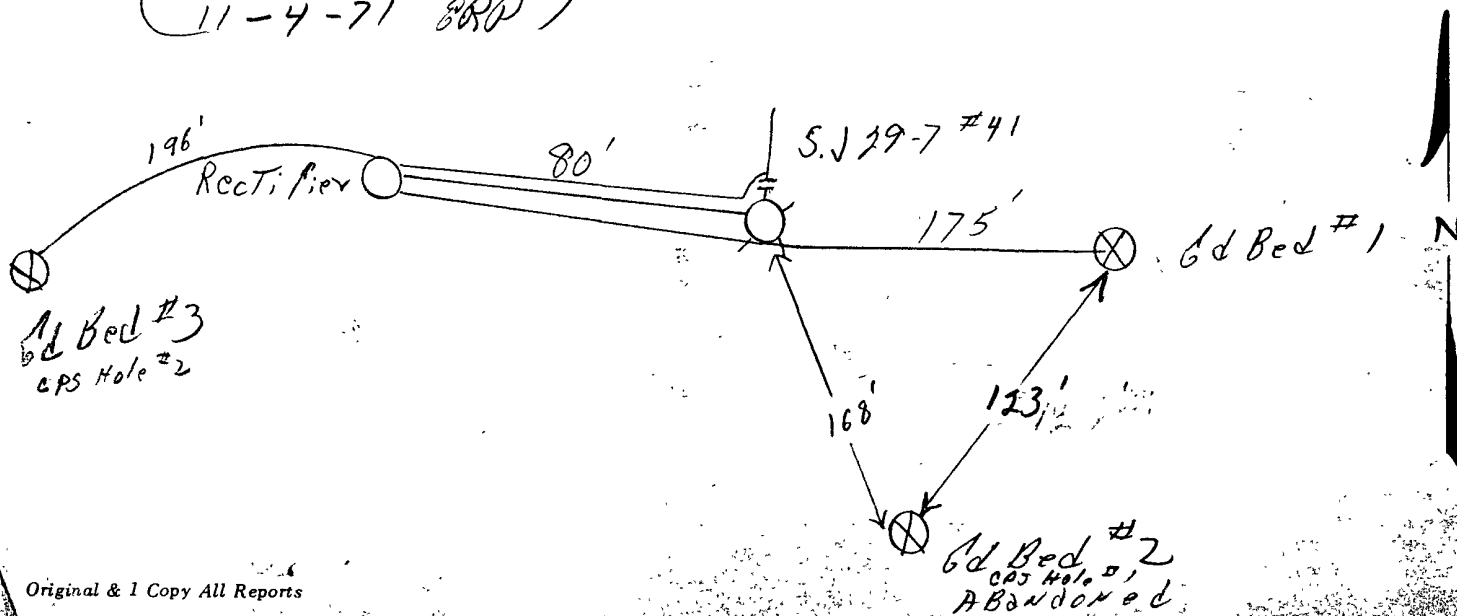
Well Name <u>SAN JUAN 29-7 No. 41</u>		Location <u>SW 28-29N-7W</u>		CPS No. <u>120 W</u>	
Type & Size Bit Used <u>6 3/4'</u>				Work Order No. <u>184-52671-50-20</u>	
Anode Hole Depth <u>700'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>10,900</u>	Lost Circulation Mat'l Used <u>2</u>	No. Sacks Mud Used <u>21</u>	
Anode Depth					
# 1 <u>660</u>	# 2 <u>653</u>	# 3 <u>646</u>	# 4 <u>639</u>	# 5 <u>632</u>	# 6 <u>625</u>
# 7 <u>618</u>	# 8 <u>611</u>	# 9 <u>604</u>	# 10 <u>597</u>		
Anode Output (Amps)					
# 1 <u>1.82</u>	# 2 <u>2.0</u>	# 3 <u>2.0</u>	# 4 <u>2.0</u>	# 5 <u>3.0</u>	# 6 <u>3.7</u>
# 7 <u>3.7</u>	# 8 <u>1.8</u>	# 9 <u>2.2</u>	# 10 <u>2.9</u>		
Anode Depth					
# 11 <u>590'</u>	# 12 <u>583'</u>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11 <u>1.0</u>	# 12 <u>1.9</u>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts <u>12.3</u>	Amps <u>9.3</u>	Ohms <u>1.33-Ω</u>	<u>210'</u>		No. 2 C.P. Cable Used

10-10-71
Remarks: CONTRACTOR ATTEMPTED TO LOAD HOLE #1 COVERED SAN
WITH COKE PUMPING HOSE HUNG UP AND WAS PULLED IN TWO
ABANDONED HOLE #1. MOVED RIG DRILLED TO 700'. 10-12-71 - CONTR
ATTEMPT TO LOAD HOLE INSTALL 15 ANODES SAND & SHALE SETTLED AROUND
#1 & 2 ANODES REMOVED 3, 4, 5 AND 10-11-71 RIG WENT BACK INTO HOLE CUT
WIRES AT TOP OF ANODES DRILLED AND PUSHED ANODES TO BOTTOM OF
HOLE MUDDER UP AND CIRCULATED, 10-15-71, LOADED ANODES IN HOLE
PUMPED 253 SHOVELS (36 SACKS) TO APP 500' COMPLETED BY SLURRY.
BEFORE MUDDING UP WATER STANDING AT 585'
VENT HOSE PERFORATED 820'

Pauluk
(Signature)

(Guarantee voided)
11-4-71 BRP

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

LEASE <u>San Juan 29-7</u> WELL NO. <u>41</u> CONTRACTOR <u>Marrett</u> RIG NO. <u>1</u> REPORT NO. <u>10-15</u> DATE <u>10-15</u> 19 <u>71</u>									
MORNING									
DAYLIGHT									
EVENING									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand wet									
130									
shale									
150									
sand									
170									
shale									
200									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
SINGLES									
DOWN ON KELLY									
MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS - 16 hrs dry time									
14 hrs pulling annulus and									
drilling up annulus and vent pipe									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
20									
shale water blow out @ 40 ft									
40									
sand									
50									
shale									
100									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
SINGLES									
DOWN ON KELLY									
MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
200									
shale									
215									
shale									
230									
sand									
300									
sandy shale									
540									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
SINGLES									
DOWN ON KELLY									
MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
200									
shale									
215									
shale									
230									
sand									
300									
sandy shale									
540									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
SINGLES									
DOWN ON KELLY									
MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
200									
shale									
215									
shale									
230									
sand									
300									
sandy shale									
540									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
SINGLES									
DOWN ON KELLY									
MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
200									
shale									
215									
shale									
230									
sand									
300									
sandy shale									
540									
NO. DC									
SIZE									
LENG.									
BIT NO.									
NO. DC									
SIZE									
LENG.									
SERIAL NO.									
STANDS									
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MAKE									
TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD									
Time									
Wt.									
Vis.									
FROM									
TO									
TIME BREAKDOWN									
REMARKS -									
Driller									
Total Men In Crew									
FORMATION									
WT-BIT									
R.P.M.									
FROM									
TO									
sand									
200									
shale									
215									
shale									
230									
sand									
300									
sandy shale									
540									
NO. DC									
SIZE									
LENG.									
BIT NO.									

SIGNED: Toolpusher

Company Supervisor

CPS 120 W
S.J. 29-7-#41
Hole #2

Driller said wet @ 540' water standing 565'

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₇ 15.57
142	IC ₇ 17.2
156	C ₈ 17.46
170	C ₉ 19.38
184	C ₁₀ 19.64
198	C ₁₁ 21.67

500	70	.84	Depth	Water	cake
		.80	1 660	0.95	1.82
10	80	.76	2 653	1.0	2.0
	681		3 646	1.08	2.0
20	90		4 639	1.26	2.0
			5 632	1.80	3.0
30	700		6 625	1.90	3.7
			7 618	1.64	3.7
40			8 611	1.40	1.8
			9 604	1.65	2.2
50			10 597	1.10	2.9
			11 590	1.05	2.0
60			12 583	1.0	1.9
	.60				
70	.58		12.3	9.3	1.33 -2
	.75				
80	.90				
	1.12				
90	.90				
	.80				
600	.88				
	1.0				
10	1.25				
	1.50				
20	1.24				
	1.60				
30	1.70				
	1.55				
40	1.35				
	1.16				
50	.95				
	.92				
60	.90				
	.85				

Pumped 253 shovels = 36 sacks
Shuffled 73 sacks

MW	MISC	gas/mol
44	CO ₂	6.18
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

120W

SDN VADA 29-7 #41

CPS Ed Bed #1 ABANDONED

Driller said wet @ 535 water standing @ 559'

Vent Hose Perforated 245'
To #1 Anode

MW	gas/mol
16	C ₂ 6.4
30	C ₃ 7.56
44	C ₄ 10.42
58	C ₅ 12.38
72	C ₆ 14.34
86	C ₇ 16.30
100	C ₈ 18.26
114	C ₉ 20.22
128	C ₁₀ 22.18
142	C ₁₁ 24.14
156	C ₁₂ 26.10

			Depth	Water	Coke
500	70	1.23			
	-	1.68			
10	80	1.30	1 667	1.40	2.6
	682	Bottom	2 660	1.72	2.8
20	90		3 653	1.74	3.2
			4 646	1.90	3.2
30	700		5 639	1.38	3.0
			6 633	1.25	2.4
40			7 610	1.05	2.4
			8 603	1.30	2.4
50			9 578	1.00	
			10 571	1.04	
60	1.07		11 564	1.28	
	1.85		12 557	1.87	
70	1.05				
	1.04				
80	.88				
	.82				
90	.75				
	.78				
600	.98				
	1.28				
10	1.05				
	.85				
20	.82				
	.84				
30	.87				
	1.02				
40	1.28				
	1.42				
50	1.88				
	1.92				
60	1.83				
	1.36				

8 Anodes = 13.0V 8.5A 1.582

Pumping Hose Hung up
AT 575' pulled Hose in
Tank

Pumped 117 Shovels

Last Hole moved Rig
AND STARTED Hole #2

MW	MISC	gas/mol
44	CO ₂	6.18
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38