

30-039-0777

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. 25 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #78

cps 170w

Elevation 6367' Completion Date 4/11/63 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: 102 lbs.

Depths anodes placed: 100', 85', 79', 73', 63'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 11 April 63

WELL NAME M^cElrain No. 5-A CPS NO. 170 W

LOCATION NE⁴ Sec. 25 T30N R7W

WORK ORDER NUMBER 184-40542-50-02

ANODE HOLE DEPTH 140

TOTAL DRILLING RIG TIME 8 Hrs.

DRILLING TIME FOR RECTIFIER POLE HOLE 0

TYPE AND SIZE BIT USED 6 1/4 Rock. W.M. 1547X

NUMBER SACKS MUD USED 3

NUMBER SACKS LOST CIRCULATION MAT'L USED 2

ANODE DEPTHS #1 100, #2 85, #3 79, #4 73 ⁵ 63

TOTAL LBS. COKE USED 1020 lbs 12 Sacks

ANODE OUTPUTS 12.2 VOLTS, #1 3.5, #2 2.8, #3 3.0, #4 3.8 ⁵ 3.7

TOTAL CIRCUIT RESISTANCE: VOLTS 11.6 AMPERES 8.5 OHMS 1.36

NUMBER FEET SURFACE CABLE ~~CONDUIT~~ 330'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

REMARKS: Static γ_s .64 R 600' EAST

Good All 28V, 12A, Rectifier

Ser # 62C 6293

Tag. # 170 W

ALL CONSTRUCTION COMPLETED

Dorrel
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

AP ELGIN NO. 5-H

LEASE 58257-00 5-7W WELL NO.

CONTRACTOR

MORNING

DAYLIGHT

RIG NO. D-6

REPORT NO.

EVENING

DATE April 10/11 43

Driller						Driller						Driller					
FROM			TO			FROM			TO			FROM			TO		
FORMATION			FORMATION			FORMATION			FORMATION			FORMATION			FORMATION		
W.T. BIT			W.T. BIT			W.T. BIT			W.T. BIT			W.T. BIT			W.T. BIT		
R.P.M.			R.P.M.			R.P.M.			R.P.M.			R.P.M.			R.P.M.		
NO. DC			NO. DC			NO. DC			NO. DC			NO. DC			NO. DC		
SIZE			SIZE			SIZE			SIZE			SIZE			SIZE		
LENG.			LENG.			LENG.			LENG.			LENG.			LENG.		
SINGLES			SINGLES			SINGLES			SINGLES			SINGLES			SINGLES		
DOWN ON KELLY			DOWN ON KELLY			DOWN ON KELLY			DOWN ON KELLY			DOWN ON KELLY			DOWN ON KELLY		
TOTAL DEPTH			TOTAL DEPTH			TOTAL DEPTH			TOTAL DEPTH			TOTAL DEPTH			TOTAL DEPTH		
MUD. ADDITIVES USED AND RECEIVED			MUD. ADDITIVES USED AND RECEIVED			MUD. ADDITIVES USED AND RECEIVED			MUD. ADDITIVES USED AND RECEIVED			MUD. ADDITIVES USED AND RECEIVED			MUD. ADDITIVES USED AND RECEIVED		
Time			Time			Time			Time			Time			Time		
W.T.			W.T.			W.T.			W.T.			W.T.			W.T.		
Vis.			Vis.			Vis.			Vis.			Vis.			Vis.		
TIME BREAKDOWN			TIME BREAKDOWN			TIME BREAKDOWN			TIME BREAKDOWN			TIME BREAKDOWN			TIME BREAKDOWN		
FROM			FROM			FROM			FROM			FROM			FROM		
TO			TO			TO			TO			TO			TO		

REMARKS

REMARKS

REMARKS

April 10 - Drilled 110' of hole 100' stand no change at 100' this

2 hrs

SIGNED: Toolpusher

Company Supervisor

moving to 100' location

W. H. H. H.

30-039-0777

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. 25 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #78

cps 170w

Elevation 6367' Completion Date 7/21/64 Total Depth 435' 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: 6250 lbs.

Depths anodes placed: 400', 380', 374', 368', 362', 280', 274'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Date 7-21-64

Well Name <u>McElvain No. 5 A 30-6 #78</u>			CPS No. <u>170 W</u>							
Location <u>NE 25-30-7</u>			Work Order No. <u>52208</u>							
Anode Hole Depth <u>435</u>	Total Drilling Rig Time <u>32 1/2</u>	Type & Size Bit Used <u>6432-160</u> <u>6 1/4-6059X-275</u>		No. Sacks Mud Used <u>16</u>						
No. Sacks Lost Circulation Mat'l Used <u>3</u>	Anode Depth		<table border="1"> <tr> <td>#1 <u>400</u></td> <td>#2 <u>380</u></td> <td>#3 <u>374</u></td> <td>#4 <u>368</u></td> <td>#5 <u>362</u></td> <td>#6 <u>280</u></td> </tr> </table>		#1 <u>400</u>	#2 <u>380</u>	#3 <u>374</u>	#4 <u>368</u>	#5 <u>362</u>	#6 <u>280</u>
#1 <u>400</u>	#2 <u>380</u>	#3 <u>374</u>	#4 <u>368</u>	#5 <u>362</u>	#6 <u>280</u>					
Total Lbs. Coke Used <u>6250 - 35 Sacks</u>	Anode Output (Volts)		<table border="1"> <tr> <td>#1 <u>2.5</u></td> <td>#2 <u>2.4</u></td> <td>#3 <u>2.3</u></td> <td>#4 <u>2.3</u></td> <td>#5 <u>2.7</u></td> <td>#6 <u>2.7</u></td> </tr> </table>		#1 <u>2.5</u>	#2 <u>2.4</u>	#3 <u>2.3</u>	#4 <u>2.3</u>	#5 <u>2.7</u>	#6 <u>2.7</u>
#1 <u>2.5</u>	#2 <u>2.4</u>	#3 <u>2.3</u>	#4 <u>2.3</u>	#5 <u>2.7</u>	#6 <u>2.7</u>					
Total Circuit Resistance Volts <u>11.6</u>	Amps <u>8.3</u>	Ohms <u>1.4</u>	No. Ft. Surface Cable Conduit <u>70'</u>							

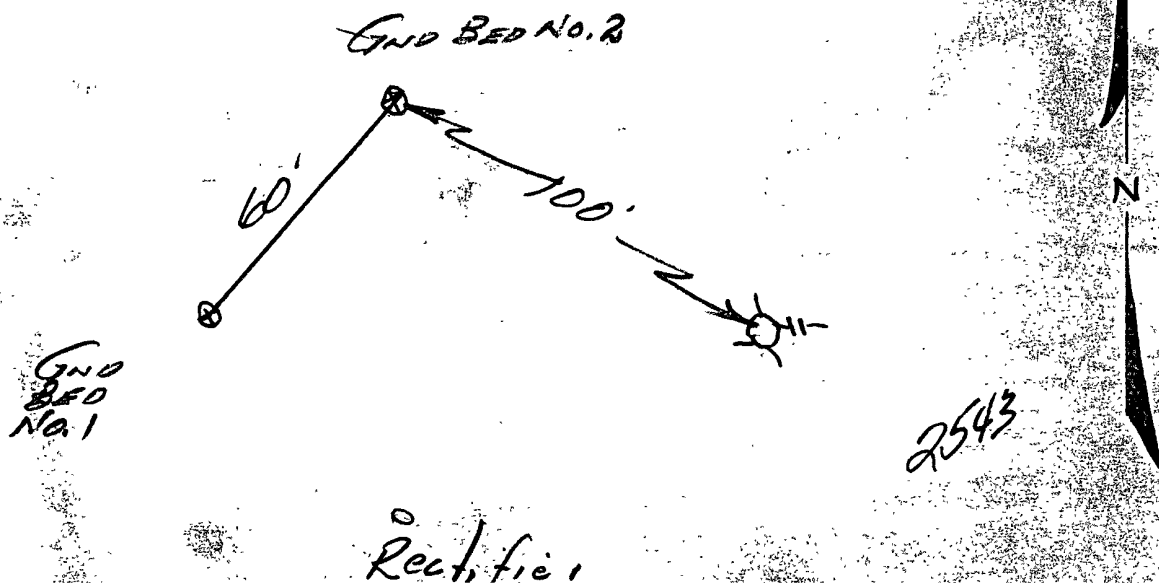
Drilling Log (Attach Hereto). ☐

Remarks: 6 Anodes = 11.8 V 7.0 A = 1.685

Construction Completed

Sanchez
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

1974

EVENING

NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
BIT NO.			BIT NO.			BIT NO.		
SERIAL NO. 6059-X			SERIAL NO. 6059-X			SERIAL NO.		
SIZE 6 1/4			SIZE 6 1/4			SIZE 6 1/4		
TYPE ROCK			TYPE ROCK			TYPE ROCK		
MAKE			MAKE			MAKE		
MUD RECORD			MUD RECORD			MUD RECORD		
MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED		
NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
BIT NO.			BIT NO.			BIT NO.		
SERIAL NO.			SERIAL NO.			SERIAL NO.		
SIZE			SIZE			SIZE		
TYPE			TYPE			TYPE		
MAKE			MAKE			MAKE		
MUD RECORD			MUD RECORD			MUD RECORD		
MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED		
NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.
BIT NO.			BIT NO.			BIT NO.		
SERIAL NO.			SERIAL NO.			SERIAL NO.		
SIZE			SIZE			SIZE		
TYPE			TYPE			TYPE		
MAKE			MAKE			MAKE		
MUD RECORD			MUD RECORD			MUD RECORD		
MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED			MUD ADDITIVES USED AND RECEIVED		

REMARKS -	REMARKS -	REMARKS -
MUD. 10 AM. MUDDED 22.44	LEFT MUD. 6 AM. ARRIVED FIELD	LEFT 10 AM. 6 AM. ARRIVED
LEFT. 10 AM. 30. FT. MUD	7.15. MUD. DRILLING	FIELD. 9.15 AM. MUD. MUD
LEFT. 10 AM. MUD.	MIXED. DRILL. 4.05 FT	MUD. MUDS. DRILL. 1.36 FT
LEFT. MUD. 5. PM.	MIX. MUD. DRILL. 110 FT	MUD. PUMP. BROKE. DOWN.
1. MUD.	LEFT. MUD. 5. PM.	LEFT. MUD. 4. PM.
2. MUD.	7.15. 64	9. MUD.
	10. MUD.	7.16. 64

Company Supervisor

04Aenda

30-039-07777

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. 25 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #78

cps 170w

Elevation 6367' Completion Date 8/26/74 Total Depth 640' 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. 380' 10-20 GAL A MINUTE.

Depths gas encountered: N/A

Type & amount of coke breeze used: 11200 lbs.

Depths anodes placed: 485', 465', 440', 430', 420', 410', 385', 375', 360', 330'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #3

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

logged

Drilling Log (Attach Hereto). ☐

Completion Date 8/26/74

Well Name SAN JUAN 30-6 # 78		Location NE 25 - 30N - 6W		CPS No. 170 W	
Type & Size Bit Used 6 3/4"				Work Order No. 52288	
Anode Hole Depth 640'	Total Drilling Rig Time	Total Lbs. Coke Used 11,200 EST.	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 485	# 2 465	# 3 440	# 4 430	# 5 420	# 6 410
# 7 385	# 8 375	# 9 360	# 10 330		
Anode Output (Amps)					
# 1 1.0	# 2 2.4	# 3 2.3	# 4 1.8	# 5 2.8	# 6 2.4
# 7 2.2	# 8 2.2	# 9 1.8	# 10 1.7		
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		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.6	Amps 11.0	Ohms 1.05	279'		

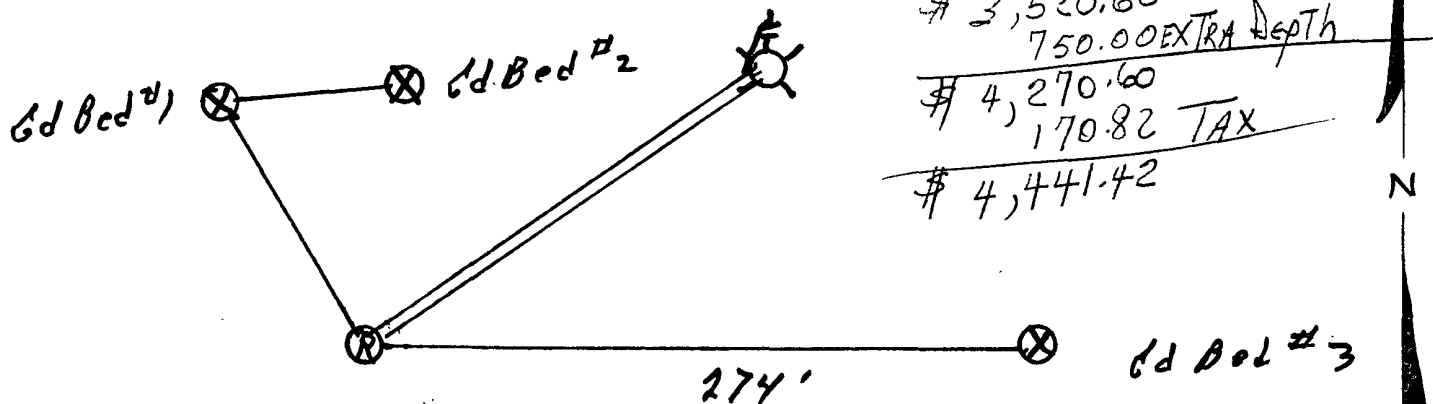
Remarks: Driller said water @ 380' ESTIMATE 10-2.
92 HOURS @ MINUTE WATER STANDING @ 300'
AFTER 12 HRS. VENT HOSE PER ADYATED 200'
PUMPED 2 LOADS WATER TO ABOVE 300'
COMPLETE BY SLARRY

pay 600' hooking
for SHARP

All Construction Completed

Edward R. Parks
(Signature)

GROUND BED LAYOUT SKETCH



3,409.00
 111.60 Cable
 # 3,520.60
 750.00 EXTRA Depth
 # 4,270.60
 170.82 TAX
 # 4,441.42

STORM WATER WELL DRILLING INC.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9505

GENERAL OFFICE
14991 W. 44TH AVENUE
BAILEY OFFICE
CALL 1-838-4821

Drill 10TH CPS 170 W

Date 8-26-74

Owner _____

Location _____

City _____ State _____ County _____

From	To	Formation	Color	Hardness
0	10	Shale	Grey	Med
10	170	Shale	Blue Grey	"
170	190	Sand & Shale	Grey Tan	"
190	220	Shale	Blue Grey	"
220	230	Sand Stone	Grey	"
230	310	Shale and Sand	"	"
310	350	Sand Stone	"	"
350	400	Sandy Shale	"	"
400	420	Sand	"	"
420	520	Sandy Shale	"	"
520	570	Sand & Shale	"	"
570	640	Sandy Shale	"	"
Insert @ 80'				
Water @ 380'				

Total Hours _____

Equipment Down Time _____

Hours Drilling 9 1/2 hr

Driller Bill

Helper Ruf

Helper Fred

C.P.S. Time _____

S.W.W.D.I. Time _____

Total Footage _____

Approval of
C.P.S. Engineer _____

170 W

$$\sqrt{7.8} = x$$



6	C	-	87
9	C	-	82
9	C	-	114
17	C	-	90
27	EC	-	100
15	C	-	10
15	IC	-	86
13	NC	-	71
13	EC	-	72
11	NC	-	73
12	IC	-	85
10	C	-	84
9	C	-	80
6	C	-	81

MISC	
MW	g/mol
44	CO ₂
34	H ₂ S
28	N ₂
2	H ₂

[illegible]