

4290

30-065-13032

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

Operator MERIDIAN OIL Location: Unit C Sec. 25 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #120

cps 877w

Elevation 6619' Completion Date 6/23/71 Total Depth 360' 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. 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6800 lbs.

Depths anodes placed: 325', 315', 270', 260', 250', 240', 230', 220', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: qb #1 DRILLED HOLE #1 TO 480', LOST HOLE.

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

Completion Date 6/23/71

Drilling Log (Attach Hereto) ☐

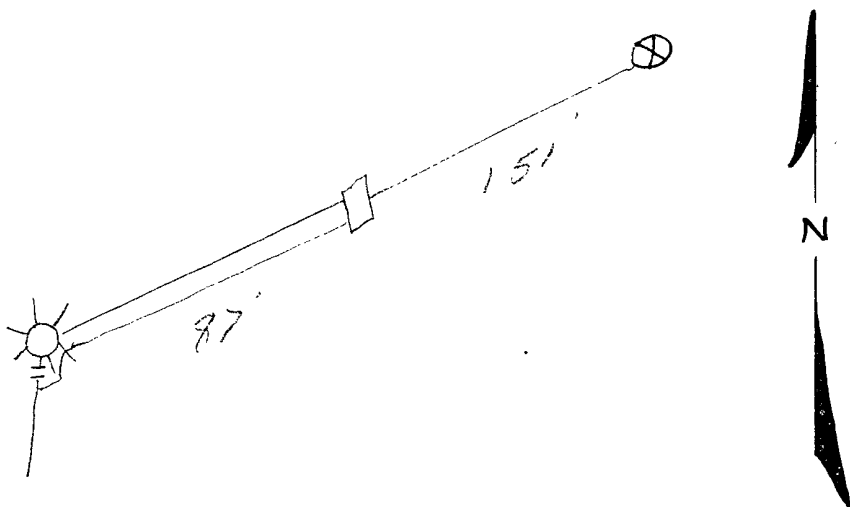
Well Name <u>Huerfano #120</u>		Location <u>25-26-10</u>		CPS No. <u>877W</u>	
Type & Size Bit Used <u>6 3/4"</u>		Work Order No. <u>184-53989-</u>			
Anode Hole Depth <u>360</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>6800</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>325</u>	# 2 <u>315</u>	# 3 <u>270</u>	# 4 <u>260</u>	# 5 <u>250</u>	# 6 <u>240</u>
# 7 <u>230</u>	# 8 <u>220</u>	# 9 <u>210</u>	# 10 <u>200</u>		
Anode Output (Amps)					
# 1 <u>5.3</u>	# 2 <u>5.5</u>	# 3 <u>3.7</u>	# 4 <u>4.6</u>	# 5 <u>5.3</u>	# 6 <u>6.0</u>
# 7 <u>5.6</u>	# 8 <u>4.6</u>	# 9 <u>5.3</u>	# 10 <u>4.1</u>		
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 <u>12</u>	Amps <u>24</u>	Ohms <u>150</u>	No. 8 C.P. Cable Used <u>370'</u>	No. 2 C.P. Cable Used	

Remarks: R 9/8 600' NE = 0.78 VOLT HOSE PER INSTALLED 300'
Drilled Hole #1 To 400' Lost Logging Probe in Hole 400' W.
Installed Pumping Hose and 4 Anodes unable to install
any more, unable to pull anodes. Moved over Drilled Hole #2
to 360' start to pump hose was plugged. Removed and unplugged
pumped to 92' completed by slurry
water @ 105' - 215'

All Construction Completed

Paul H
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

Hole - 1

C.P.S.

LEASE

WELL NO. 877-W

CONTRACTOR Joe Maxwell

RIG NO. 1

REPORT NO.

DATE 6-18

1971

MORNING

DAYLIGHT

EVENING

Drapper				Total Men In Crew				Drapper				Total Men In Crew				Drapper				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.	
0		75'		Sand + Sand Stone						165		215		Sand "WTA"															
75		95		Shale						215		270		Shale															
95		114		Sand.						270		335		Sand.															
114		165		Shale						335		480		Shale + sand shale															
BIT NO. 634				NO. DC SIZE LENG.				BIT NO.				NO. DC SIZE LENG.				BIT NO.				NO. DC SIZE LENG.									
SERI 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.		Time		Wt.		Vis.		Time		Wt.		Vis.	
FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN	

REMARKS -

Blue water out of Hole @ 205' - started indicating water w/ air -

REMARKS -

Flushed - locked & loaded Hole.

REMARKS -

lost Hole 7800000 and water 23000

SIGNED: Toolpusher

Joe Maxwell

Company Supervisor

LEASERe Drill

WELL NO.877W

CONTRACTORJoe Morrow

RIG NO.1

REPORT NO.2

DATE6-23

1971

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.
0	69	SAND			155	205	SAND-"MAKING WTR"							
69	88	SHALE			205	265	SHALE							
88	112	WET SAND			265	305	BENTONITE SAND							
112	155	SHALE & SOY SHALE			305	350	SHALE							

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 -
	Blow water out of hole	
	(@ 300' - Flushed & Logged Hole -	
	Loaded same -	

SIGNED: Toolpusher

Joe Morrow

Company Supervisor

877W
PERMANENT = 120

AW	gas/mol
16	C ₁ 0.3
30	C ₂ 9.26
44	C ₃ 10.42
58	IG ₄ 12.33
72	NC ₄ 11.93
86	IG ₅ 13.71
100	IG ₆ 15.50
114	C ₇ 17.2
128	C ₈ 17.46
142	C ₉ 19.18
156	C ₁₀ 20.64
170	C ₁₁ 22.97

MW	MISC	gas/mol
44	CO ₂	3.17
28	N ₂	4.16
42	H ₂	3.26

100		70	2.0	Depth	Water	Core
			2.0	1 325	2.7	5.3
10		80	1.55	2 315	2.6	5.5
			1.28	3 270	2.2	3.7
20		90	1.25	4 260	2.6	4.6
			1.05	5 250	2.9	5.3
30		300	1.10	6 240	2.9	6.0
			1.72	7 230	2.8	5.6
40		10	2.5	8 220	2.6	4.6
			2.6	9 210	2.8	5.3
50	2.8	20	2.3	10 200	2.2	4.1
	2.3		2.4			
60	2.0	30	2.6	TOTAL = 1212.24A .50.2		
	1.7		2.3			
70	1.83	40	2.4	BOTTOM ANGLE + 20' = 350'		
	1.65	342	BOTTOM 2.4	DEPTH = 138' @ 20' = 27.60		
80	1.80 2.3	50		= 79.1'		
	2.3 2.0			PAY TOTAL DEPTH = 369'		
90	2.0 1.55	60		credit 131'		
	1.29					
200	2.1					
	2.4					
	2.5					
	2.4					
	2.3					
	2.5					
	2.5					
	2.6					
	2.5					
	2.7					
	2.5					
	1.5					
	2.4					
	2.1					