

1054

106-30-045-06131

E

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

Operator MERIDIAN OIL Location: Unit SE Sec. 33 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #106

cps 1737w

Elevation 6174' Completion Date 11/14/84 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths ONE JOINT

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. 130', 150' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3600 lbs.

Depths anodes placed: 340', 330', 320', 310', 300', 285', 210', 200', 185', 170'

Depths vent pipes placed: 365'

Vent pipe perforations: 215'

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

Drilling Log (Attach Hereto) ☐Completion Date 11-14-84

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check:
1737 W	Huerfano Unit #106	53663-A-50-20	.76 600ft S.S.W.	+550 MA ☒ Good ☐ Bad X Good 615 MA
Location:	Anode Size:	Anode Type:	Size Bit:	
SE-33-27-10	2" X 60"	Durion	6 3/4 button	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
360 ft.	355 ft.		3600 lbs.	
Anode Depth				
# 1 340	# 2 330	# 3 320	# 4 310	# 5 300
# 6 285	# 7 210	# 8 200	# 9 185	# 10 170
Anode Output (Amps)				
# 1 5.18	# 2 4.40	# 3 4.80	# 4 4.35	# 5 4.40
# 6 5.50	# 7 5.30	# 8 5.80	# 9 6.70	# 10 5.75
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 11.90	Amps 24.90	Ohms .48		

Remarks: 11-13-84 - Some water at 130 ft. Good water at 150 ft. - est. 5 gals per minute per Driller. Started foam injection at 150 ft. Drilled to 300 ft and left over night. 11-14-84 - Hole cased in - installed one joint of casing redrilled to 360 ft. Installed 365 ft of one inch PVC vent pipe of which bottom 815 ft. was perforated. Slurried 3600 lbs of coke downhole.

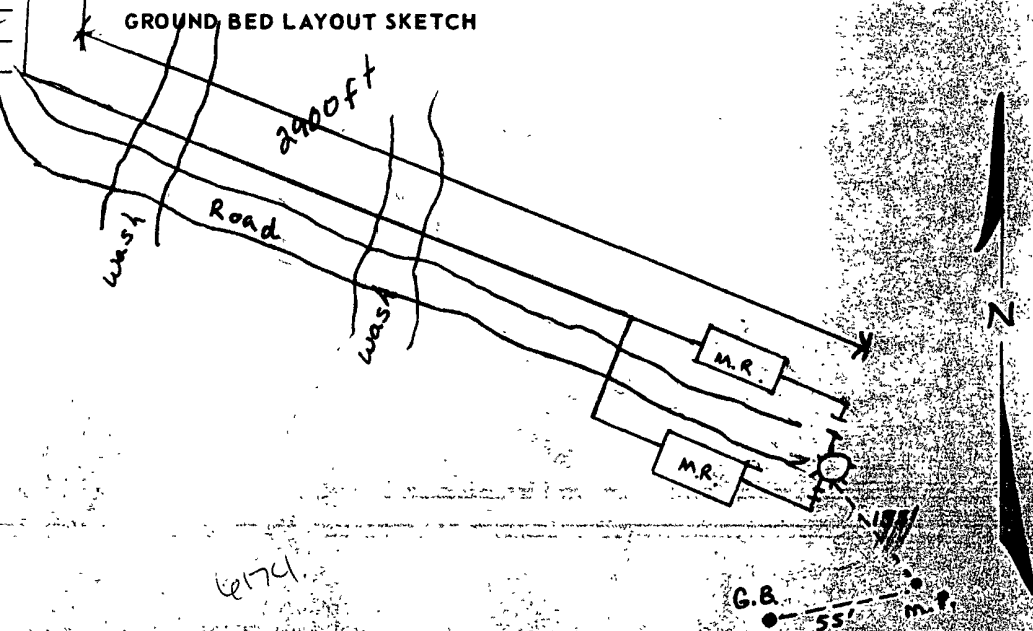
Rectifier Size: 40 V 16 A ✓
 Addn'l Depth _____
 Depth Credit: 145 ft. ✓
 Extra Cable: 175 ft. ✓
 Ditch & 1 Cable: 210 ft. ✓
 25' Meter Pole: _____
 20' Meter Pole: 1 ✓
 10' Stub Pole: _____

All Construction Completed

D.G.H. + D.B.
 (Signature)

GROUND BED LAYOUT SKETCH

OV. Time 7
 Reg. Time 32



EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-1499
OPERATOR: EL PASO NATURAL GAS
LOCATION: 33-27-10
FIELD: ANCEL PEAK
SAMPLED FROM: GPS 1177 @ 120 FT.
DATE SAMPLED: 11-2-84
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: 11-27-84
WELL NAME: HUERFANO #106 (GPS 1177)
COUNTY: SAN JUAN
STATE: NEW MEXICO
FORMATION:
SECURED BY: D. J. HITT
CASING PRESSURE:

	SAMPLE SIZE	ML. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	18.1	362		
P ALKALINITY	50	17.2	4		
BICARBONATE	50	17.7	354		
CARBONATE	50	1.4	8		
CHLORIDE	50	1.7		14	0.
SULFATE	50			300	6.
TOTAL HARDNESS	50	0	0		
CALCIUM	50	1.0	0		0.
MAGNESIUM	50	0	0		0.
IRON				NT	
SODIUM (CALCULATED)				319	13.
H ₂ S				NT	
HYDROCARBONS				ND	
TOTAL DISSOLVED SOLIDS				1144	
pH				8.5	
SPECIFIC GRAVITY				AT 60F	
RESISTIVITY				775 OHM-CM @ 25C	
CONDUCTIVITY				1290 MICROMHOS @ 25C	

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 PP.

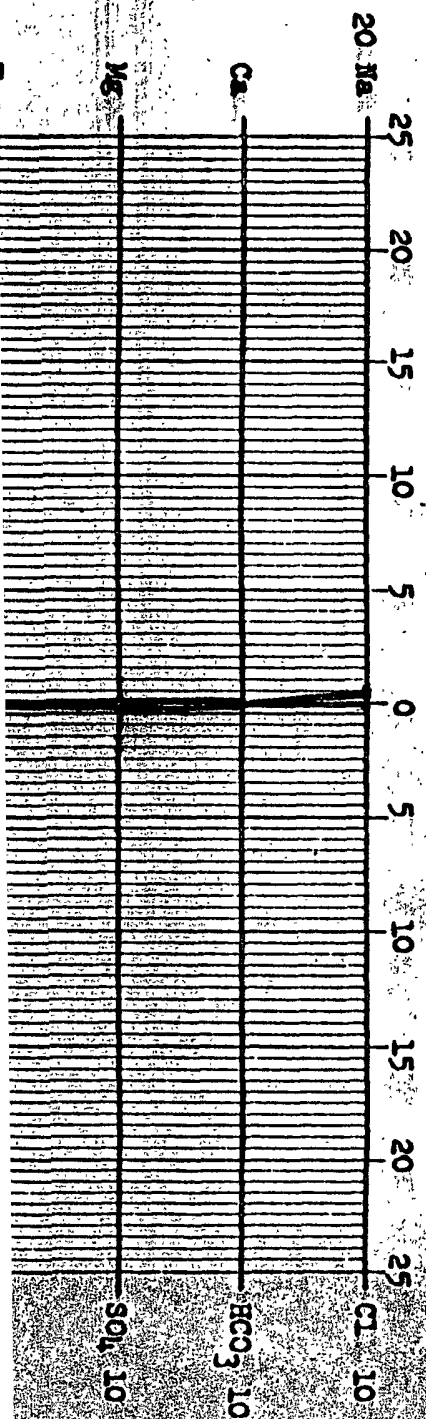
CC: F. A. ULLRICH

D. C. ADAMS
E. K. PAULEX
W. D. SHROPSHIRE
FILE

D. F. BIRD

CHEMIST

66K



INSTRUCTION LOGGING READINGS

CPS #: 1737-W WELL NAME: Huerfano Unit #106 LOCATION: SE 33-2740 DATE: 11-13-84
 11-14-84
 TOTAL VOLTS: 24.9 TOTAL AMPS: .48 2490 OHMS RESISTANCE: 11.90
 .48
 Logged through 2000' of cable

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	1.98	2.27	365			545			1	340	2.83	5.18
10			190	1.99	2.20	370			550			2	330	2.15	4.40
15			195	1.99	2.19	375			555			3	320	2.58	4.80
20			200	2.00	2.14	380			560			4	310	2.59	4.35
25			205	1.82	2.12	385			565			5	300	2.53	4.40
30			210	1.73	1.90	390			570			6	285	2.35	5.50
35			215	1.42	1.58	395			575			7	210	2.50	5.30
40			220	1.26	1.41	400			580			8	220	2.60	5.80
45			225	1.12	1.23	405			585			9	185	2.91	6.70
50			230	.85	.82	410			590			10	170	2.77	5.75
55			235	.57	.62	415			595						
60			240	.54	.57	420			600						
65			245	.37	.40	425			605						
70			250	.28	.30	430			610						
75			255	.28	.30	435			615						
80			260	.36	.39	440			620						
85			265	.40	.45	445			625						
90			270	.33	.34	450			630						
95			275	.34	.36	455			635						
100			280	1.28	1.35	460			640						
105			285	2.00	2.10	465			645						
110			290	1.75	1.85	470			650						
115			295	1.67	2.02	475			655						
120			300	Bottom	2.00	480			660						
125			305		2.00	485			665						
130			310	(4)	2.10	490			670						
135			315		2.14	495			675						
140			320	(3)	2.20	500			680						
145	(11-13)	(11-14)	325		2.10	505			685						
150	1.86	2.07	330	(2)	1.83	510			690						
155	1.60	1.84	335		2.09	515			695						
160	2.14	2.44	340	(1)	2.22	520			700						
165	2.00	2.25	345		2.23	525			705						
170	1.86	2.30	350		1.91	530			710						
175	2.03	2.26	355		2.03	535			715						
180	2.20	2.37	360		Bottom	540			720						

REMARKS: 11-13-84- Some water at 130'-Good water at 150'-est. 5 gals per minute (Per Driller). Started foam injection at 150'. Installed 365' of one inch PVC vent pipe. 250' perforated. Drilled to 300' and left overnight.
 11-14-84- Hole caved- installed one joint of casing drilled to 360'. Slurried 3600 lbs. of Coke downhole.

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO. ~~4~~

REPORT NO.

DATE 11-13

19 84

MORNING

DAYLIGHT

EVENING

Driller _____ Total Men In Crew <u>3</u>					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	130	shale-sandstone			280'	300'	shale							
130	150	water sand			300	360	Shale							
150	200 260	shale												
260	290'	sand												

	NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____
BIT NO.	NO. DC _____ SIZE <u>4 1/2</u> LENG. <u>20'</u>	BIT NO.	NO. DC _____ SIZE _____ LENG. _____	BIT NO.	NO. DC _____ SIZE _____ LENG. _____
SERIAL NO.	STANDS _____	SERIAL NO.	STANDS _____	SERIAL NO.	STANDS _____
SIZE	SINGLES <u>15</u>	SIZE	SINGLES _____	SIZE	SINGLES _____
TYPE	DOWN ON KELLY <u>300'</u>	TYPE	DOWN ON KELLY _____	TYPE	DOWN ON KELLY _____
MAKE	TOTAL DEPTH <u>300'</u>	MAKE	TOTAL DEPTH _____	MAKE	TOTAL DEPTH _____

[illegible][illegible]

REMARKS -	REMARKS - hit water at 130' - 150' 20 gpm and again at 260' - 280' - 80 gpm. Total dig depth 300'. Re-entered and drilled 60' more. T.D. 360'	REMARKS -
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SIGNED: Toolpusher

____ Company Supervisor