

1055

105-30-045-06210

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. 29 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #105

cps 1736w

Elevation 6054' Completion Date 11/14/84 Total Depth 200' 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. 40' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 1970 lbs.

Depths anodes placed: 185', 170', 155', 140', 125', 110', 100', 90', 80', 58'

Depths vent pipes placed: 200'

Vent pipe perforations: 180'

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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☒Completion Date 11-14

CPS #	Well Name, Line or Plant:	Work Order #	Static	Ins. Union Check
1736-W	Huertano # 105	53658-19-50-20	RP = .82 600' N	☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
SE 29-27-10	2" X 60"	Duriron	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
200	197		1,970	
Anode Depth				
# 1 185	# 2 170	# 3 155	# 4 140	# 5 125
# 6 110	# 7 100	# 8 90	# 9 80	# 10 58
Anode Output (Amps)				
# 1 4.44	# 2 4.93	# 3 4.75	# 4 4.95	# 5 5.15
# 6 5.06	# 7 5.42	# 8 5.00	# 9 4.45	# 10 4.80
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 12.1	Amps 20.0	Ohms .60		

Remarks: Drilled to 40' + found water. Blew water from hole next morning found good shale from 40' to bottom of hole. Estimated to make 29 PM. Installed 200' of 1" P.V.C vent Pipe, 280' with perforation slurred approx. 1,970 lbs Coke down hole. Caught water sample.

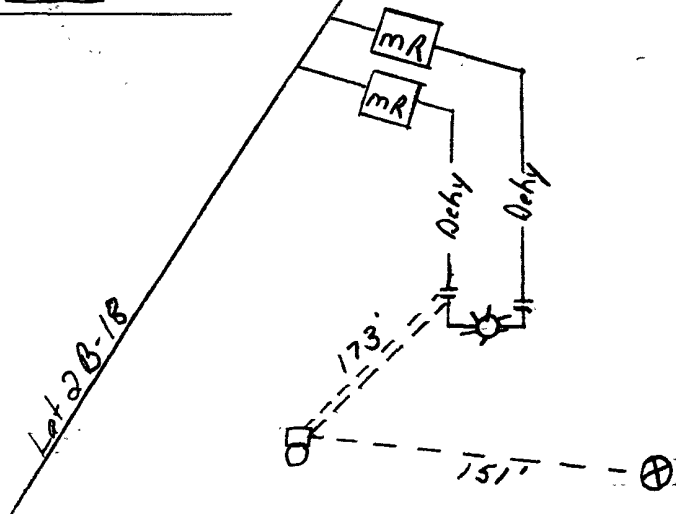
Rectifier Size: 40 V 16 A
 Addn'l Depth: _____
 Depth Credit: 303 ✓
 Extra Cable: 193 ✓
 Ditch & 1 Cable: 324 ✓
 25' Meter Pole: _____
 20' Meter Pole: 1
 10' Stub Pole: _____

Req Time = 8
O.T. = 0

All Construction Completed

C. W. Donahue
(Signature)

GROUND BED LAYOUT SKETCH



6054

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

ANALYSIS NO.: 1-11504
OPERATOR: EL PASO NATURAL GAS
LOCATION: 19-27-10
FIELD: ANGEL PEAK
SAMPLED FROM: 40 FEET
DATE SAMPLED: NOVEMBER 14, 1984
TUBING PRESSURE:
SURFACE CASING PRESSURE:

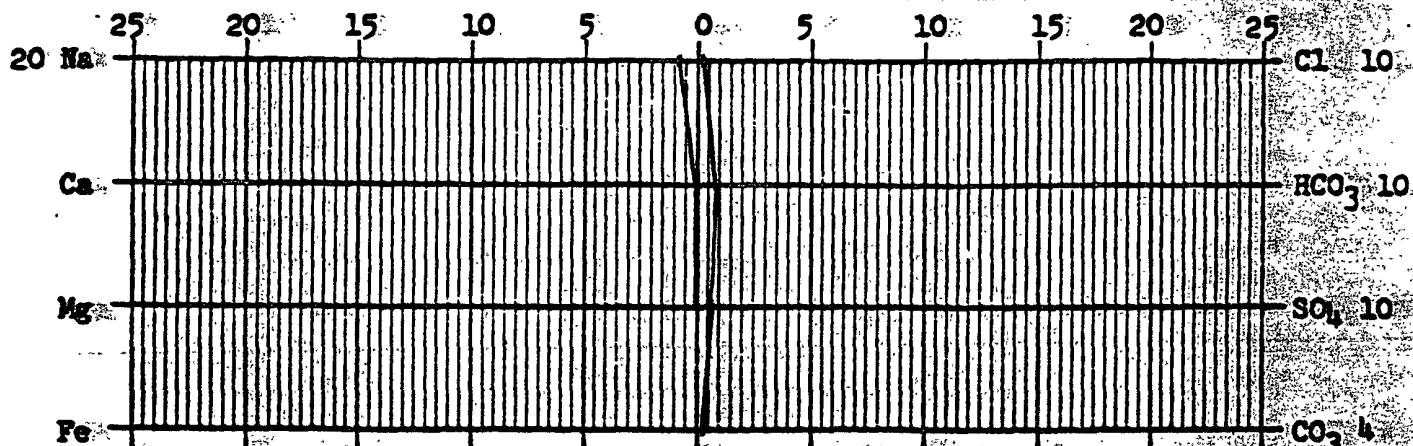
DATE: DECEMBER 5, 1984
WELL NAME: HUERFANO #105 CFS
COUNTY SAN JUAN STATE: NEW MEXICO
FORMATION:
SECURED BY: BILL DONOHUE
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	ep
TOTAL ALKALINITY	20	10.5	525		
P ALKALINITY	20	.8	40		
BICARBONATE	20	8.9	445	543	8.
CARBONATE	20	1.6	80	48	1.
CHLORIDE	25	1.2		48	1.
SULFATE				320	6
TOTAL HARDNESS	25	0	0		
CALCIUM	25	0	0	0	0.
MAGNESIUM	25	0	0	0	0.
IRON					
SODIUM (CALCULATED)				426	18.
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1684	
pH				8.9	
SPECIFIC GRAVITY			AT 60F		
RESISTIVITY			OHM-CM AT 72		
CONDUCTIVITY			MICROMHOS @ 25C.		

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

CC: R. A. ULLMICH
J. D. EVANS
D. C. ADAMS
E. R. PAULEK
W. B. SHROPSHIRE
FILE

Gennis Bird
CHEMIST *CCK*



CONSTRUCTION LOGGING READINGS

CPS #: 1736-u WELL NAME: Huertano #105 LOCATION: SE 29-27-10 DATE: 11-14-84

TOTAL VOLTS: 12.1

TOTAL AMPS: 20.0

OHMS RESISTANCE: .60

Readings 1099' to Thru 2400' Spool

												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	2.08	⑩	365			545			①	185	2.90	4.44
10			190	1.92		370			550			②	170	2.95	4.93
15			197 195	TD		375			555			③	155	3.03	4.75
20			200			380			560			④	140	3.12	4.95
25			205			385			565			⑤	125	3.20	5.15
30			210			390			570			⑥	110	3.20	5.06
35			215			395			575			⑦	100	3.18	5.42
water 40	2.00		220			400			580			⑧	90	3.28	5.00
45	2.05		225			405			585			⑨	80	3.00	4.45
50	2.00		230			410			590			⑩	58	3.27	4.80
55	2.41		235			415			595						
60	2.09	10	240			420			600						
65	1.96		245			425			605						
70	1.70		250			430			610						
75	1.82		255			435			615						
80	2.09	⑨	260			440			620						
85	2.27		265			445			625						
90	2.28	⑧	270			450			630						
95	2.13		275			455			635						
100	2.21	⑦	280			460			640						
105	2.22		285			465			645						
110	2.22	⑥	290			470			650						
115	2.11		295			475			655						
120	2.21		300			480			660						
125	2.21	⑤	305			485			665						
130	1.97		310			490			670						
135	2.11		315			495			675						
140	2.17	④	320			500			680						
145	2.12		325			505			685						
150	2.08		330			510			690						
155	2.25	③	335			515			695						
160	2.08		340			520			700						
165	2.22		345			525			705						
170	2.12	②	350			530			710						
175	2.07		355			535			715						
180	1.95		360			540			720						

REMARKS:

Drilled to 40' found water. Blew water from hole next morning. Found good shale from 40' to bottom of hole. Hole Est. used to make 29pm. Installed 200' of 1" p.v.c. vent pipe, 280' with perforations. Slurried approx. 1,970 lbs coke down hole.

DAILY DRILLING REPORT

CPS 1736-W

Huey Popp #105

LEASE

WELL NO.

CONTRACTOR

CORR. CONTROL

RIG NO.

102

REPORT NO.

DATE Nov

1985

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	20	SURFACE SAND																											
20	40	SAND (WATER)																											
40	60	SANDSTONE																											
60	200	SANDY SHALE																											
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.												
SE L NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES													
TYPE		DOWN ON KELLY		MAKE		TOTAL DEPTH		TYPE		DOWN ON KELLY		MAKE		TOTAL DEPTH		TYPE		DOWN ON KELLY		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.		Time	Wt.	Vis.							
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN																	
REMARKS -				REMARKS - DRILLED TO 40 FEET ON 11-13-84. BLEW WATER OUT HOLE DRILLED TO 200 FEET HOLE MAKING WATER. 1705 1705 GALLONS PER MINUTE.										REMARKS -															

SIGNED: Toolpusher

Terence Argent

____ Company Supervisor

C. W. Donohue