

4387

30-645-12/65

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. 5 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL A #2

cps 12w

Elevation 6378' Completion Date 6/21/74 Total Depth 580' 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. 100'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 10,400 lbs.

Depths anodes placed: 500', 490', 480', 470', 460', 440', 430', 420', 380', 365'

Depths vent pipes placed: N/A

Vent pipe perforations: 400'

Remarks: gb #2

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 9-13-74

REDRILL

CPS # _____ Well Name, Line or Plant: Hawell #2 Work Order: 52010 Static: _____ Ins. Union Check ☐ Good ☐ Bad

12W

Location: SW5-30-8 Anode Size: 2" x 60' Anode Type: Duriron Size Bit: 6 3/4"

Depth Drilled 620 Depth Logged 580 Drilling Rig Time _____ Total Lbs. Gels Used _____ Lost Circulation Mat'l Used _____ No. Sacks Mud Used _____

Anode Depth		# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
		545	540	530	480	476	462	420	410	385	280
Anode Output (Amps)		# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
		258	371	311	230	285	268	247	256	213	215
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>12.50</u> Amps <u>12.51</u> Ohms <u>1.00</u>				No. 8 C.P. Cable Used _____			No. 2 C.P. Cable Used _____		

Remarks: Drilled to 140' wet at 100-120' Below water
with A.M. (sample) picked up near
water 550'.

Rectifier Size: _____ V _____ A
 Addn'l Depth: + 80'
 Depth Credit: _____
 Extra Cable: _____
 Ditch & 1 Cable: 50'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

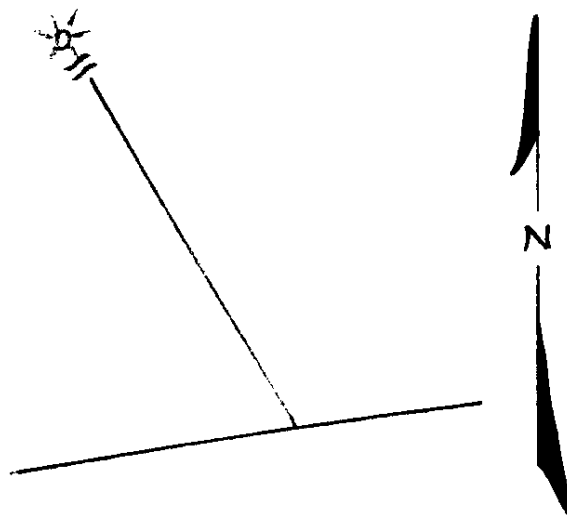
All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH

1-240' box
 10' RT
 10' OT

GB#3
 Δ-50'-12W
 ΔGB#1
 ΔGB#2



19

Company Supervisor

CONSTRUCTION LOGGING READINGS

52010

CPS #: 12 W WELL NAME: Howell A 2 LOCATION: SWS-30-8 DATE: 9-13-84

TOTAL VOLTS: 12.50 TOTAL AMPS: 12.50 OHMS RESISTANCE: 100

												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	17		365	78		545	124	1	1	545	113	258
10			190	18		370	33		550	429		2	540	124	371
15			195	76		375	21		555	72		3	530	165	311
20			200	93		380	55		560	52		4	480	96	230
25			205	68		385	110	1	565	67		5	476	113	283
30			210	54		390	65		570	68		6	462	107	268
35			215	65		395	20		575	88		7	420	105	247
40			220	44		400	20		580			8	410	120	256
45			225	46		405	20		585			9	385	130	213
50			230	41		410	34		590			10	280	96	215
55			235	32		415	90		595						
60			240	71		420	91		600						
65			245	76		425	90	7	605						
70			250	25		430	76		610						
75			255	15		435	86		615						
80			260	34		440	60		620						
85			265	25		445	42		625						
90			270	40		450	40		630						
95			275	93		455	80		635						
100			280	87		460	107		640						
105			285	90		465	109	2	645						
110			290	24		470	180		650						
115			295	76		475	113	3	655						
120			300	28		480	114		660						
125			305	50		485	47	0	665						
130			310	22		490	77		670						
135			315	17		495	57		675						
140	420		320	16		500	65		680						
145	23		325	4		505	82		685						
150	24		330	12		510	80		690						
155	39		335	13		515	80		695						
160	27		340	36		520	20		700						
165	59		345	30		525	72		705						
170	21		350	24		530	84	3	710						
175	26		355	21		535	84		715						
180	22		360	21		540	84	2	720						

REMARKS: Drilled to 140' but none 150-120'.
Blow water with AM. Rough samples.
More water at 550'

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

ANALYSIS NO.: 1-11453
OPERATOR: EL PASO NATURAL GAS
LOCATION: 5-30-8
FIELD: BLANCO
SAMPLED FROM: 100-120 FEET
DATE SAMPLED: SEPTEMBER 13, 1984
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: SEPTEMBER 25, 1984
WELL NAME: HOWELL A#2 CPS 12W
COUNTY SAN JUAN STATE: NEW MEXICO
FORMATION:
SECURED BY: BILL TATUM
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	6.2	124		
P ALKALINITY	50	0	0		
BICARBONATE	50	6.2	124	151	2.
CARBONATE	50	0	0	0	0.
CHLORIDE	50	.4		9	0.
SULFATE				604	12.
TOTAL HARDNESS	25	17.1	684		
CALCIUM	25	15.15	606	242	12.
MAGNESIUM	25	1.75	78	19	1.
IRON					
SODIUM (CALCULATED)				36	1.
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1040	
pH				7.1	
SPECIFIC GRAVITY			1.0001 AT 60F		
RESISTIVITY			741 OHM-CM AT 71		
CONDUCTIVITY			1350 MICROMHOS @ 25C.		

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

cc: R. A. ULLRICH
J. D. EVANS
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FILE

Dennis Bird
CHEMIST GCR

