

3 - 30-045-10147
5E- 30-045-26535

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. 31 Twp 31 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL D #3, #5E

cps 252w

Elevation 6380' Completion Date 8/31/70 Total Depth 460' 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: 60 SACKS

Depths anodes placed: 405', 395', 360', 350', 320', 310', 300', 290', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: 405'

Remarks: qb #2 ALL ANODES TANDEM

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.

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐

GND BED NO. 2.

Contract By CPS

Completion Date 8-31-70

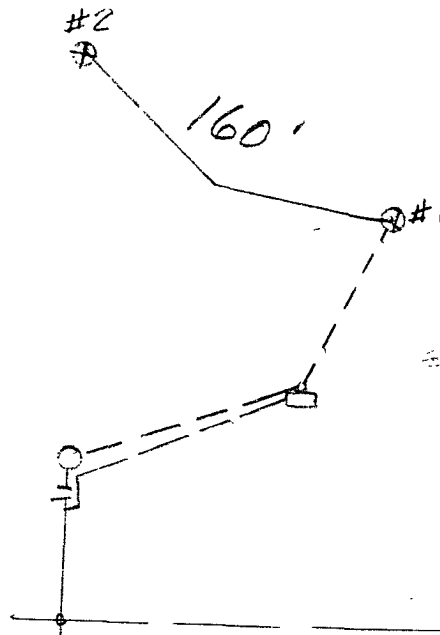
Well Name Howell # 3D		Location NE 31-31-8		CPS No. 252W	
Type & Size Bit Used 6 3/4				Work Order No. 184-52030-50-20	
Anode Hole Depth 460	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 405	# 2 395	# 3 360	# 4 350	# 5 320	# 6 310
# 7 300	# 8 290	# 9 210	# 10 200		
Anode Output (Amps)					
# 1 3.4	# 2 3.4	# 3 2.8	# 4 2.8	# 5 3.9	# 6 3.9
# 7 4.2	# 8 4.2	# 9 4.6	# 10 4.6		
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 11.8	Amps 13.2	Ohms 0.9			

Remarks: Drill with air to 120. Inject water to 220'
all anodes TONUM -
Vent Hose Perforated 405
Pump 60 sacks coke, - Slurry 23

All Construction Completed

Arvels
(Signature)

GROUND BED LAYOUT SKETCH



wet at 100
252 w - air to 120 - Inject to 280

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	ICA 12.38
72	ICA 13.85
86	ICA 15.32
100	ICA 16.79
114	ICA 18.26
128	ICA 19.73
142	ICA 21.20

MW	MISC
14	CO ₂ 5.38
16	H ₂ O 5.19
28	N ₂ 4.16
42	H ₂ 3.38

100	1.8	80	1.7						
	1.4		2.2						
10	2.2	90	2.4						
	2.2		2.6						
20	1.5	300	2.5						
	1.2		2.4	1	405	23	3.4		
30	1.1	10	2.4	2	395				
	1.0		2.5	3	360	2.0 - 2.8			
40	.9	20	2.2	4	350				
	.9		1.7	5	320	2.9 - 3.9			
50	1.0	30	1.5	6	310				
	1.0		1.4	7	300	3.2	4.2		
60	1.0	40	1.4	8	290				
	1.2		1.4	9	210	3.4	4.6		
70	1.2	50	2.0	10	200				
	1.1		2.2						
80	1.2	60	2.0						
	1.2		1.5						
90	1.4	70	1.3						
	1.9		1.2						
200	2.6	80	1.2						
	2.3		1.4						
10	2.2	90	1.6						
	2.3		2.0						
20	2.4	400	2.8						
	1.7		2.6						
30	1.3	10	1.4						
	1.4		1.6						
40	1.9	20	1.8						
	2.2		1.8						
50	2.2	30	1.7						
	1.8		1.6						
60	1.3	40	1.6						
	1.2								
70	1.2	50							
	1.2								