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4A-30-045-21783

792

302-30-045-20875

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. 34 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL L #4A, #302

cps 1098w

Elevation 6285' Completion Date 6/17/77 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. WET AT 80', 130', 275', 305'
WATER AT 360'

Depths gas encountered: N/A

Type & amount of coke breeze used: 70 SACKS

Depths anodes placed: 555', 515', 505', 495', 487', 429', 421', 413', 405', 398'

Depths vent pipes placed: 555' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
MAY 31 1991

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

Ant File

Drilling Log (Attach Hereto). ☐

#302

Completion Date 6-17-77

Well Name Howell L #4A		Location SE 34-30-8		CPS No. 1098W	
Type & Size Bit Used 6 3/4"				Work Order No. 57056	
Anode Hole Depth 580 - 576	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 555	# 2 515	# 3 505	# 4 495	# 5 487	# 6 429
# 7 421	# 8 413	# 9 405	# 10 398		
Anode Output (Amps)					
# 1 2.1	# 2 2.9	# 3 3.3	# 4 3.4	# 5 3.0	# 6 2.9
# 7 3.3	# 8 3.7	# 9 3.2	# 10 2.4		
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 11.9	Amps 12.0	Ohms 0.99~			
			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used	

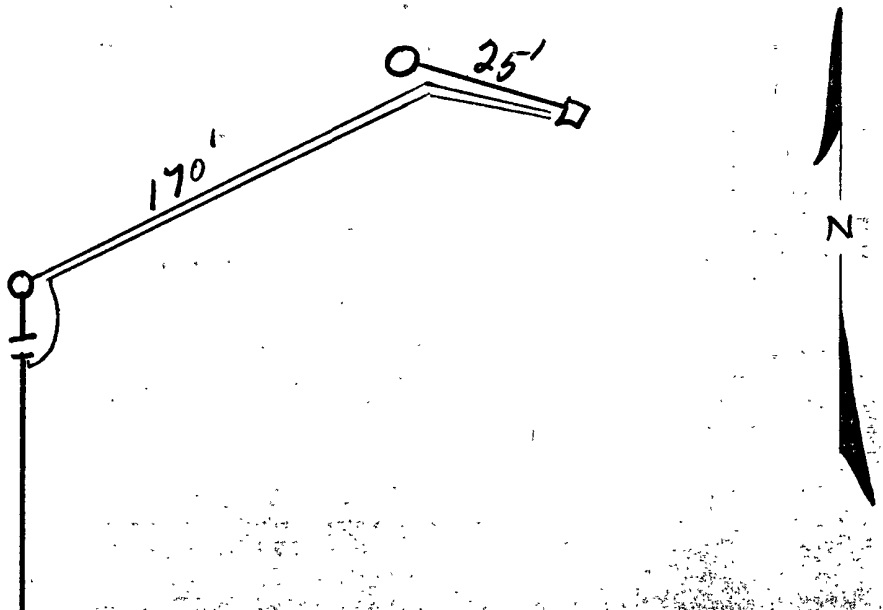
Remarks: DRILLER SAID wet @ 80', 130', 275' & 305' started MAKING WATER @ 360. DRILLED to 520. Logged Hole. went back in & DRILLED to 580' START logging AGAIN @ 370. Perforated 200' of 1" PVC Vent Pipe. Installed 555' of 1" PVC Vent Pipe. Slurried 70' of coke

STATIC = 600' NW = .81

All Construction Completed

W. J. South
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

WJS

LEASE

RIG NO.

REPORT NO.

DATE 6-17-19

SIGNED: Toolpusher

____ Company Supervisor

Static 0.81 Nu

57056

Howell L #4A

SE 34-30-8

1098W

DRILLER SAID WET @ 80' & 130, 275, 305
 MAKING WATER @ 360'
 STARTED INJ. @ 420'
 PERFORATED 1200' OF 1" DIA VENT PIPE
 INSTALLED 555" OF 1" DIA VENT PIPE

MW	gals/mol
16 C ₁	6.4
10 C ₂	9.26
44 C ₃	10.42
38 IC ₄	12.38
10 IC ₄	11.92
72 IC ₄	13.85
10 NG ₂	13.71
86 LCA	15.50
10 CA	15.57
100 IC ₂	17.2
10 C ₂	17.46
114 C ₃	19.38
28 C ₃	9.64
42 C ₁	9.67

205
 413
 421
 429

MW	MSC	gals/mol
44 CO ₂	6.28	
34 H ₂ S	5.17	
28 N ₂	4.16	
2 H ₂	1.38	

100	250	400	.9	.8	.9	50	.6		
			1.1	.8	1.1		1.3	①	
10	60	10	1.3	1.1	1.4	(8)	60	.6	
			1.4	1.3	1.4		.6		
20	70	20	1.7	1.2	1.7	(7)	70	.6	
			1.5	.6	1.4		576	.5	
30	80	30	1.4	1.2	1.2	(6)	80		
			.8	1.3	.7				
40	90	40	.7	.7	.6				
			.5	.6	.5				① 555-1.3- 2.1
50	300	50	.5	.4	.5				② 515-1.5- 2.9
			.5	.5	.5				③ 505-1.6- 3.3
60	10	60	.5	.5	.6				④ 495-1.6- 3.4
			.6	.5	.6				⑤ 487-1.4- 3.0
70	20	70	.6	.6	.6				⑥ 429-1.4- 2.9
			.6	.6	.6				⑦ 421-1.6- 3.3
80	30	80	.6	.6	.6				⑧ 413-1.8- 3.7
			.7	.6	.9	(5)			⑨ 405-1.5- 3.2
90	40	90	1.2	.9	1.2				⑩ 398-1.2- 2.4
			1.5		1.6	(4)			
200	50	500	1.5		1.5				
			1.5		1.5	(3)			
10	60	10	1.5		1.5				11.9V 12 Amps 2.99
					1.3	(2)			
20	70	20			.5				
			.5	1.2					
30	80	30	1.0	1.4	.6				
			.6	.9	.5				
40	90	40	.6	.6	.6				
			.8	.6	.8				