

794

3A-30-045-2958

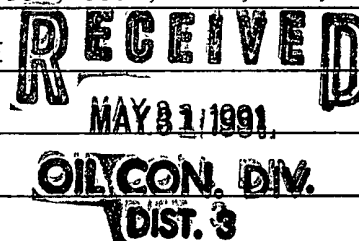
303-30-045-26871

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 35 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL L #3A, #303

cps 1097w

Elevation 6084' Completion Date 6/16/77 Total Depth 520' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. WET AT 80' WATER AT 185'Depths gas encountered: N/AType & amount of coke breeze used: 73 SACKSDepths anodes placed: 500', 460', 450', 440', 430', 390', 380', 370', 360, 320'Depths vent pipes placed: 500' OF 1" PVC VENT PIPEVent pipe perforations: 415'Remarks: qb #1

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). ☐

303

Completion Date 6-16-77

Well Name <u>Hovell L #3A</u>		Location <u>NW 35-30-8</u>		CPS No. <u>1097W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57055</u>	
Anode Hole Depth <u>520-518</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>500</u>	# 2 <u>460</u>	# 3 <u>450</u>	# 4 <u>440</u>	# 5 <u>430</u>	# 6 <u>390</u>
# 7 <u>380</u>	# 8 <u>370</u>	# 9 <u>360</u>	# 10 <u>320</u>		
Anode Output (Amps)					
# 1 <u>3.6</u>	# 2 <u>2.8</u>	# 3 <u>3.0</u>	# 4 <u>3.3</u>	# 5 <u>2.6</u>	# 6 <u>2.5</u>
# 7 <u>3.1</u>	# 8 <u>3.3</u>	# 9 <u>3.3</u>	# 10 <u>2.6</u>		
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 <u>11.6</u>	Amps <u>14.0</u>	Ohms <u>0.83</u>			

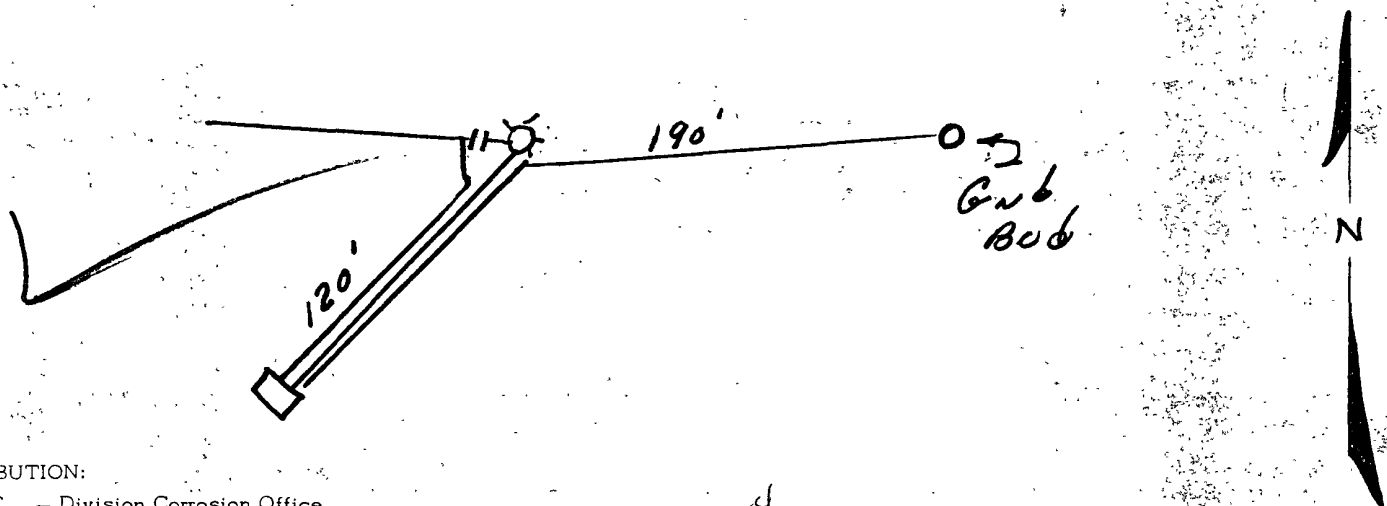
Remarks: DRILLER SAID WCT @ 80'. STARTED MAKING WATER @ 185'. DRILLED TO 520'
LOGGED HOLE. WATER STANDING @ 165'. DRILLER DID NOT HAVE TO TUNJ.
PERFORATED 415' OF 1" PVC VENT PIPE. INSTALLED 500' OF 1" PVC VENT PIPE
SLURRIED 73 SACKS OF GORE

STATIC 0.83 600' SOUTH

All Construction Completed

W. J. Lott
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6084

DAILY DRILLING REPORT

LEASE						WELL NO.							CONTRACTOR								RIG NO.					REPORT NO.					DATE					TIME																				
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.																												
BIT						NO. DC SIZE LENG.						BIT NO.						NO. DC SIZE LENG.						BIT NO.						NO. DC SIZE LENG.																										
SERIAL NO.						STANDS						SERIAL NO.						STANDS						SERIAL NO.						STANDS																										
SIZE						SINGLES						SIZE						SINGLES						SIZE						SINGLES																										
TYPE						DOWN ON KELLY						TYPE						DOWN ON KELLY						TYPE						DOWN ON KELLY																										
MAKE						TOTAL DEPTH						MAKE						TOTAL DEPTH						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		WL		Vis.		Time		WL		Vis.		Time		WL		Vis.		Time		WL		Vis.		Time		WL		Vis.																												
FROM		TO		TIME BREAKDOWN										FROM		TO		TIME BREAKDOWN										FROM		TO		TIME BREAKDOWN																								
0		2		<i>Surface</i>										185		200		<i>Shale</i>										400		420		<i>Shale</i>																								
2		80		<i>Sand</i>										200		305		<i>Sandy Shale</i>										420		520		<i>Sandy Shale</i>																								
80		90		<i>Shale</i>										305		320		<i>Shale</i>																																						
90		120		<i>Sand</i>										320		345		<i>Sandy Shale</i>																																						
120		160		<i>Sandy Shale</i>										345		370		<i>Sand</i>																																						
160		185		<i>Sand wet muding water</i>										370		400		<i>Sandy Shale</i>																																						
REMARKS -																			REMARKS -																			REMARKS -																		

SIGNED: Toolpusher

____ Company Supervisor

500
5.25
47.5

Howells 6 #34

NW35-30-8

1097W

57055

DRILLER SAID wet @ 80'
STARTED MAKING WATER @ 185'
PERFORATED 415' OF 1" PVC vent Pipe
Installed 500' OF 1" PVC vent Pipe

MW	gas/mol
16	C ₁ 5.4
10	C ₂ 9.56
44	C ₃ 10.42
58	HC ₄ 12.39
72	HC ₅ 11.93
72	HC ₅ 13.85
72	HC ₅ 13.71
86	HC ₆ 15.50
72	HC ₅ 15.57
100	HC ₇ 17.2
72	C ₂ 17.46
114	C ₃ 19.38
28	C ₄ 9.64
42	C ₅ 9.67

MW	MSC	gas/mol
44	CO ₂	5.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

1 00	50 1.3	4 00 .7	
	1.3	.7	
10	60 .9	10 .8	
	.6	.8	
20	70 .6	20 .6	
	.6	1.0	
30	80 .6	30 1.2 ⑤	
	.6	1.4	
40	90 .6	40 1.4 ④	
	.6	1.4	
50	3 00 .6	50 1.3 ③	
	.7	1.3	
60	10 1.2	60 1.2 ②	① 500 2.5 - 3.6
.4	1.4	1.0	② 460 1.3 - 2.8
70 .5	20 1.4 ⑩	70 .9	③ 450 1.3 - 3.0
.6	.9	.9	④ 440 1.6 - 3.3
80 .6	30 .7	80 .9	⑤ 430 1.3 - 2.6
.6	.7	1.0	⑥ 390 1.2 - 2.5
90 .7	40 .7	90 1.0	⑦ 380 1.5 - 3.1
.6	.7	1.0	⑧ 370 1.7 - 3.3
2 00 .7	50 .6	5 00 1.5 ①	⑨ 360 1.7 - 3.3
.7	.7	1.9	⑩ 320 1.5 - 2.6
10 1.10	60 1.3 ⑨	10 1.8	
1.0	1.5	5 18 T.D.	
80 .8	70 1.5 ⑧	80	N.6 volts 14 Amps 0.83~
1.0	1.4		
30 1.4	80 1.3 ⑦		
1.4	1.4		
40 1.3	90 1.2 ⑥		
1.1	1.0		