

53 - 30-039-07158
85 - 30-039-82359

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit M Sec. 5 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #53, #85

cps 740w

Elevation 6660' Completion Date 8/17/87 Total Depth 260' 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. 60' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 215', 205', 195', 185', 145', 125', 115', 105', 95', 85'

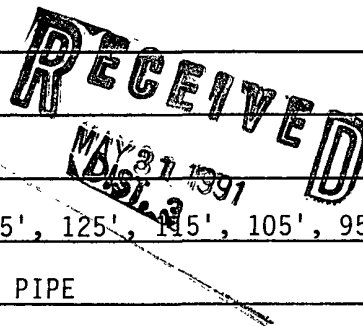
Depths vent pipes placed: 255' OF 1" PVC VENT PIPE

Vent pipe perforations: BOTTOM 200'

Remarks: qb #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) ☒

53 meter 72.86165m
85 meter 73.42165m
Completion Date 8-17-87

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
740-w	S.S. 27-5 #53	M 05-27-05		☒ Good ☐ Bad
	S.S. 27-5 #85	K 05-27-05		
Location	Anode Size:	Anode Type:	Size Bit	
M5-27-5	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat. Used
260'	250'			
Anode Depth				
# 1 215'	# 2 205'	# 3 195'	# 4 185'	# 5 145'
# 6 125'	# 7 115'	# 8 105'	# 9 95'	# 10 85'
Anode Output (Amps)				
# 1 3.0	# 2 3.8	# 3 2.9	# 4 2.6	# 5 2.4
# 6 3.9	# 7 5.8	# 8 5.9	# 9 3.7	# 10 3.3
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 12.2	Amps 13.8	Ohms .88		

Remarks: Drilled to 260'; Logged 250'. Driller said water at 60'; caught sample. Installed 255' of 1" PVC vent pipe, perforated bottom 200'

Rectifier Size: V A
Addn'l Depth
Depth Credit: 250' ✓
Extra Cable: 10' ✓
Ditch & 1 Cable: 130' ✓
Ditch & 2 Cable:
25' Meter Pole:
20' Meter Pole:
10' Stub Pole:
Junction Box:

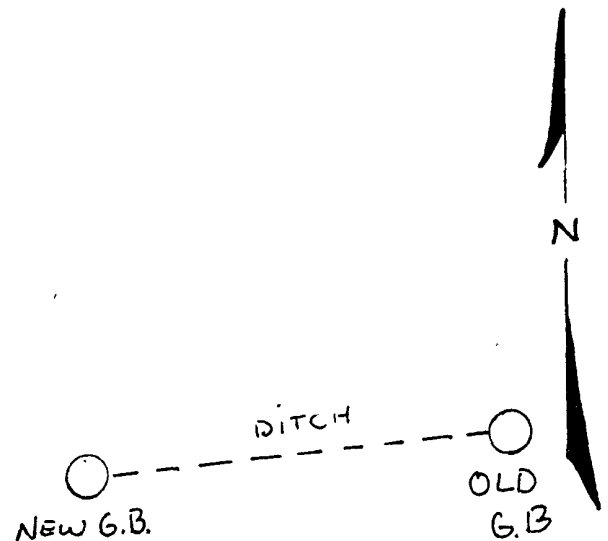
4300.00 ✓
-1000.00 ✓ 3300.00
2.50 ✓
50.70 ✓
40.00 ✓
3393.20 ✓
TAX 169.66
3562.86

740-w
☐

S.S. 27-5
#85

All Construction Completed

(Signature)
(Signature)



MERIDIAN OIL

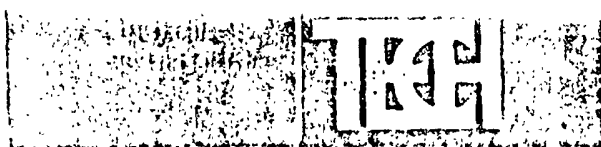
P. O. BOX 4289-Phone 327-0251
FARMINGTON, NM

Date 8-17-82

DEEP WELL GROUND BED LOG

Company Meridian Oil
Well No. 740-w Location m5-28-5 Volts Applied 12.2 Amperes 13.8

5		230	.5	455		680	2.15	1.1	3.0
10		235	.5	460		685	2.25	1.4	3.8
15		240	.4	465		690	2.195	1.3	2.9
20		245	.4	470		695	2.185	1.1	2.6
25		250		475		700	2.145	1.1	2.4
30		255		480		705	2.125	1.3	3.9
35		260		485		710	2.105	2.0	5.8
40		265		490		715	2.05	2.1	5.9
45		270		495		720	2.05	1.3	3.7
50		275		500		725	2.025	1.3	3.3
55		280		505		730			
60		285		510		735			
65		290		515		740			
70	.7	295		520		745			
75	.8	300		525		750			
80	1.0	305		530		755			
85	1.0	310		535		760			
90	1.2	315		540		765			
95	.9	320		545		770			
100	1.1	325		550		775			
105	1.6	330		555		780			
110	1.6	335		560		785			
115	1.5	340		565		790			
120	1.4	345		570		795			
125	.9	350		575		800			
130	.7	355		580		805			
135	.3	360		585		810			
140	.8	365		590		815			
145	.9	370		595		820			
150	.8	375		600		825			
155	.6	380		605		830			
160	.5	385		610		835			
165	.5	390		615		840			
170	.5	395		620		845			
175	.6	400		625		850			
180	.7	405		630		855			
185	.7	410		635		860			
190	1.1	415		640		865			
195	1.1	420		645		870			
200	1.0	425		650		875			
205	1.3	430		655		880			
210	1.3	435		660		885			
215	.9	440		665		890			
220	.7	445		670		895			
225	.7	450		675		900			



CPS 740 W

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1		Date Sampled 8/17/87	
Field Blanca		Legal Description M 55, 27N, R5W		County or Parish Rio Arriba	
Lease or Unit San Juan 27-5		Well # 85		Depth	
Type of Water (Produced, Supply, etc.) Produced		Sampling Point 60'		Water, B/D	
				Sampled By M W	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	515	22.5
Calcium, Ca	22	1.1
Magnesium, Mg	11	0.9
Barium, Ba		

OTHER PROPERTIES

pH	7.78
Specific Gravity, 60/60 F.	1.025
Resistivity (ohm-meters)	73 F.
Total Hardness	624.98

Total Dissolved Solids (calc.) 1043

ANIONS

	mg/l	me/l
Chloride, Cl	21	0.6
Sulfate, SO ₄	650	13.5
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	624	10.4
Hydroxide, OH	0	0

Iron, Fe (total) _____
Sulfide, as H₂S _____

REMARKS & RECOMMENDATIONS:

