

30-045-09508

4631

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. 15 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced RIDDLE A #1

cps 50w

Elevation 6383' Completion Date 9/26/85 Total Depth 680' 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. 140' - 160', SANDY. 500' - 515'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 655', 640', 625', 595', 585', 570', 560', 550', 530', 515'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #3

RECEIVED

MAY 31 1991

OIL CON. DIV

DIST. 3

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) ☐**REDRILL GB #3**Completion Date **9-26-85**

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
50W		RIDDLE AI						☐ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bit:			
NE 15-30-9		2" x 60"		DURIRON		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Gels Used		Lost Circulation Mat'l Used	
680'		675'							
Anode Depth									
# 1	655	# 2	640	# 3	625	# 4	595	# 5	585
# 6	570	# 7	560	# 8	550	# 9	530	# 10	515
Anode Output (Amps)									
# 1	1.9	# 2	2.4	# 3	2.5	# 4	1.7	# 5	1.6
# 6	1.8	# 7	2.4	# 8	3.1	# 9	1.9	# 10	2.5
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		Amps		Ohms					
12.5		11.4		1.09					

Remarks: Water sand 140-160' Set over night 60' water in hole. Blow sample. More water 500-515'

Regime	Overline
8	2

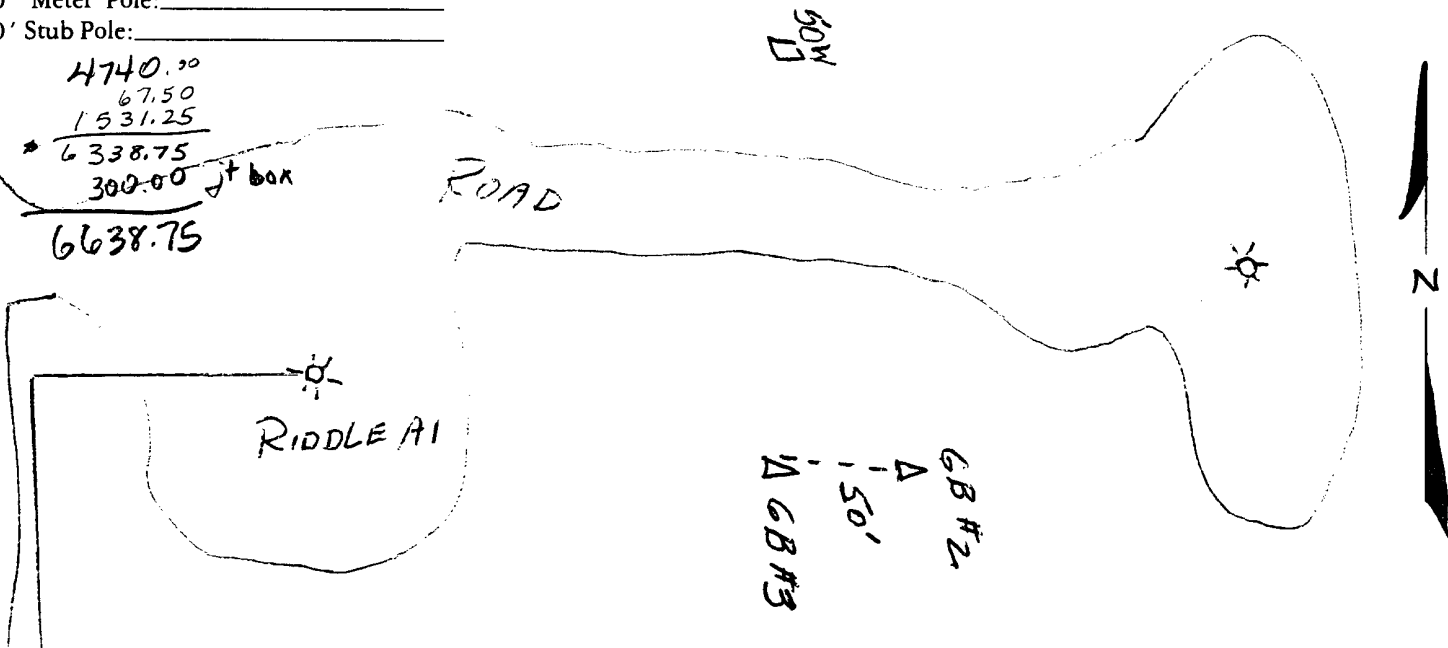
Rectifier Size: _____ V _____ A
 Addn'l Depth: + 175' x 8.75 = 1531.25
 Depth Credit: _____
 Extra Cable: _____
 Ditch & 1 Cable: - 50' - x 1.35 = 67.50
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

B.T.

(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
C TRUCTION LOGGING READINGS

CPS #: 50W WELL NAME: RIDDLE A1 LOCATION: NE 15-30-DATE: 9/25/85

TOTAL VOLTS: 12.5 TOTAL AMPS: 11.4 OHMS RESISTANCE: 1.09

												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			365			545	1.6		1	655	1.0	1.9
10			190			370		8	550	1.8		2	640	1.5	2.4
15			195			375			555	1.7		3	625	2.0	2.5
20			200			380		7	560	1.5		4	595	1.1	1.7
25			205			385			565	1.3		5	585	1.0	1.6
30			210			390		6	570	1.0		6	570	1.0	1.2
35			215			395			575	1.0		7	560	1.5	2.1
40			220			400			580	.9		8	550	1.9	3.1
45			225			405	.5	5	585	.9		9	530	1.2	1.9
50			230			410	.6		590	.9		10	515	1.5	2.5
55			235			415	.5	4	595	.9					
60			240			420	.4		600	1.0					
65			245			425	.5		605	.9					
70			250			430	.5		610	.7					
75			255			435	.6		615	.7					
80			260			440	.6		620	.8					
85			265			445	.7	3	625	.9					
90			270			450	.7		630	1.7					
95			275			455	1.0		635	1.9					
100			280			460	.9	2	640	1.7					
105			285			465	.9		645	1.3					
110			290			470	.7		650	1.2					
115			295			475	.4	1	655	.9					
120			300			480	.2		660	1.8					
125			305			485	.9		665	2.7					
130			310			490	1.2		670	2.5					
135			315			495	1.1		675	2.0					
140			320			500	1.0		680						
145			325			505	.9		685						
150			330			510	1.0		690						
155			335		10	515	1.3		695						
160			340			520	1.4		700						
165			345			525	1.5		705						
170			350		9	530	1.2		710						
175			355			535	.8		715						
180			360			540	.8		720						

REMARKS: Water sand 140-160'. Set over night 60' water in hole next AM. Blow Sample. More water 500-515'

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

ANALYSIS NO.: 1-11793 DATE: NOVEMBER 5, 1985
OPERATOR: MERIDIAN OIL WELL NAME: RIDDLE A #1 CPS #50W
LOCATION: NE 15-30-9 COUNTY: SJ STATE: NM
FIELD: CEDAR HILL FORMATION: SURFACE WATER
SAMPLED FROM: GROUND BED
DATE SAMPLED: SEPTEMBER 28, 1985 SECURED BY: BILL TATUM
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	3.2	64		
P ALKALINITY	50	0	0		
BICARBONATE	50	3.2	64	78	1.28
CARBONATE	50	0	0	0	0.00
CHLORIDE	50	1.1		22	0.62
SULFATE				1216	25.29
TOTAL HARDNESS	10	9.4	960		
CALCIUM	10	7.4	740	296	14.80
MAGNESIUM	10	2.2	220	54	4.43
IRON				ABSENT	
SODIUM (CALCULATED)				183	7.96
H ₂ S				ABSENT	
HYDROCARBONS				ABSENT	
TOTAL DISSOLVED SOLIDS				1682	
pH				8	
SPECIFIC GRAVITY			1.0014 AT 60F		
RESISTIVITY			500 OHM-CM AT		
CONDUCTIVITY			2000 MICROMHOS @ 25C.		

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

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