

30-045-09276
30-045-20491
30-045-27135

4641

#2

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

Operator MERIDIAN OIL CO. Location: Unit N Sec. 34 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced RIDDLE A COM # 260, # 3, # 9

cps 54w

Elevation 5716' Completion Date 8/20/90 Total Depth 65 Land Type N/A

Casing Strings, Sizes, Types & Depths 47ft. 8" PVC Casing

If Casing Strings are 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: Fresh, Clear,
Salty, Sulphur, Etc. 30 ft. to 40 ft.

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

65 ft. with 500 lbs Ashbury Petroleum Coke

Depths anodes placed: 60ft., 53 ft.

Depths vent pipes placed: 65 ft.

Vent pipe perforations: 20'

Remarks: qb #3 Well #2

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 9

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 include

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

30-045-09216
30-045-20491
30-045-27135

4642

#3

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

Operator MERIDIAN OIL CO. Location: Unit N Sec. 34 Twp. 30 Rng. 3

Name of Well/Wells or Pipeline Serviced RIDDLE A COM # 260, #3, #9

cps 54w

Elevation 5716' Completion Date 8/20/90 Total Depth 65ft. Land Type N/A

Casing Strings, Sizes, Types & Depths 47 ft. 8" PVC Casing

If Casing Strings are 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: Fresh, Clear,
Salty, Sulphur, Etc. 30 to 40 ft.

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 65 ft. with 500 lbs Ashbury Petroleum Coke

Depths anodes placed: 53 ft. 45 ft.

Depths vent pipes placed: 65 ft.

Vent pipe perforations: 20'

Remarks: gh #3 Well #3

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of 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.

30-045-09276
30-045-20491
30-045-27135

4643

#4

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

Operator MERIDIAN OIL CO. Location: Unit N Sec. 34 Twp. 30 Rng. 9

Name of Well/Wells or Pipeline Serviced RIDDLE A COM # 260, #3, #9

CNS 54w

Elevation 5716 Completion Date 8/20/90 Total Depth 65 ft. Land Type N/A

Casing Strings, Sizes, Types & Depths 47 ft. 8" PVC Casing

If Casing Strings are cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts use
N/A

Depths & thickness of water zones with description of water: Fresh, Clear
Salty, Sulphur, Etc. 30 to 40 ft.

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

65 ft. with 500 lbs Ashbury Petroleum Coke

Depths anodes placed: 58ft, 50 ft.

Depths vent pipes placed: 65 ft.

Vent pipe perforations: 20'

Remarks: gab #3 Well #4

RECEIVED

MAY 31 1991

OIL CON. DIV.
DIST. 2

If any of the above data is unavailable, please indicate so. Copies of a 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.

30-045-09276

30-045-20491

30-045-27135

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

46404

#57

Operator MERIDIAN OIL CO. Location: Unit N Sec. 34 Twp. 30 Rng. 9Name of Well/Wells or Pipeline Serviced RIDDLE A COM # 260, # 3, # 9

cps 54w

Elevation 5716 Completion Date 8/20/90 Total Depth 65 Land Type N/ACasing Strings, Sizes, Types & Depths 87 ft. 8" PVC CasingIf Casing Strings are 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: Fresh, Clear,
Salty, Sulphur, Etc. 30 to 40 ft.Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

65 ft. 500 lbs Ashbury Petroleum CokeDepths anodes placed: 55 ft. & 48 ft.Depths vent pipes placed: 65 ft.Vent pipe perforations: 20'Remarks: gab #3 Well #5 Well #6 CAVED AT 65' LOST 1 ANODE.

RECEIVED

MAY 31 1991

OIL CON. DIV.

DIST. 3

If any of the above data is unavailable, please indicate so. Copies of a 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-Private.
If Federal or Indian, add Lease Number.

Riddle A #3 30-045-09276

Riddle A #9 30-045-20491

Riddle A Com #260 30-045-27135

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 24 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced RIDDLE A #3, RIDDLE A #9,

RIDDLE A COM #260 cps 54w

Elevation 5716' Completion Date 11/8/61 Total Depth 100' 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 HOLE MAKING WATER AND GAS

Depths gas encountered: N/A HOLE MAKING WATER AND GAS.

Type & amount of coke breeze used: 1020 lbs.

Depths anodes placed: 80', 72', 66', 60', 54'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qcb #17 THIS HOLE PROBABLY CONTAINED LARGE CAVITY-ALSO WASTED COKE DUE TO
WATER FLOW.

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

SAN JUAN DIVISION
WELL CASING CATHODIC PROTECTION
DAILY CONSTRUCTION
PROGRESS REPORT

DATE 11-8-61

WELL NAME - Riddle # 3-A WORK ORDER NO. 184-52155-50-10

NUMBER AND DEPTH OF HOLES: #1 100', #2 , #3 , #4 , #5 .

DEPTH OF EACH ANODE: #1 80', #2 72', #3 66', #4 60', #5 54', #6 , #7
#8 , #9 , #10 .

ANODE RESISTANCES: #1 1.5, #2 1.5, #3 2.0, #4 2.1, #5 1.5, #6 , #7
#8 , #9 , #10 .

TOTAL CIRCUIT RESISTANCE: .78 OHMS.

DRILLING LOG: (ATTACH HERETO)

AMOUNT OF COKE BREEZE PLACED IN EACH HOLE: #1 1020', #2 , #3
#4 , #5 .

ANY DIFFICULTIES ENCOUNTERED IN DRILLING:

ROCKS-

LOST CIRCULATION-

CASING INSTALLED-

DATE ALL CONSTRUCTION COMPLETED .

REMARKS:

Hole making water and gas had to have drill
stay in hole until we could load anodes

Top of coke at 38' tried to plug with dirt
unable to drilling dept. to handle plug.

215 lbs / ft - this hole probably contained large
cavity - also wasted coke due to water flow

E. J. R. R. R.
SIGNATURE OF INSPECTOR

8'5
38'
47'

LEASE Riddle							WELL NO. 3A						CONTRACTOR L E Wilson								RIG NO. D-2						REPORT NO.						DATE Nov 8						1961					
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.																
												18		sand																														
												52		Sandy shale																														
												54		gray sh.																														
												100		Blue shale																														
BIT NO.				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	Wt.	Vis.											Time	Wt.	Vis.											Time	Wt.	Vis.																
FROM		TO		TIME BREAKDOWN										FROM		TO		TIME BREAKDOWN										FROM		TO		TIME BREAKDOWN												
REMARKS -													REMARKS - One 4 ft 9 1/2" hole 3 hrs Standby													REMARKS -																		

SIGNED: Toolpusher

____ Company Supervisor

30-045-09276
30-045-20491
30-045-27135

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

Operator MERIDIAN OIL Location: Unit SW Sec. 24 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced RIDDLE A #3, RIDDLE A #9,

RIDDLE A COM #260 cps 54w

Elevation 5716' Completion Date 6/17/74 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. 30'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 3800 lbs.

Depths anodes placed: 170', 160', 150', 140', 130', 90', 80', 70', 60', 50'

Depths vent pipes placed: N/A

Vent pipe perforations: 150'

Remarks: Log #2 3 HOLES DRILLED, FIRST CAVED AT 40', SECOND CAVED AT 160'

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.

Completion Date 6/17/24

Remarks: Drilled Hole #1 with Air, Cdrve in.
Drilled Hole #2 with Air, Cdrve in
Drilled Hole #3 with Mud Driller said
water @ 30'. Vent Hose Perforated 150'
Pumped Coke Breeze To 20' Complete By
Slurry

All Construction Completed

Edward R. Paulk
(Signature)

(Signature)

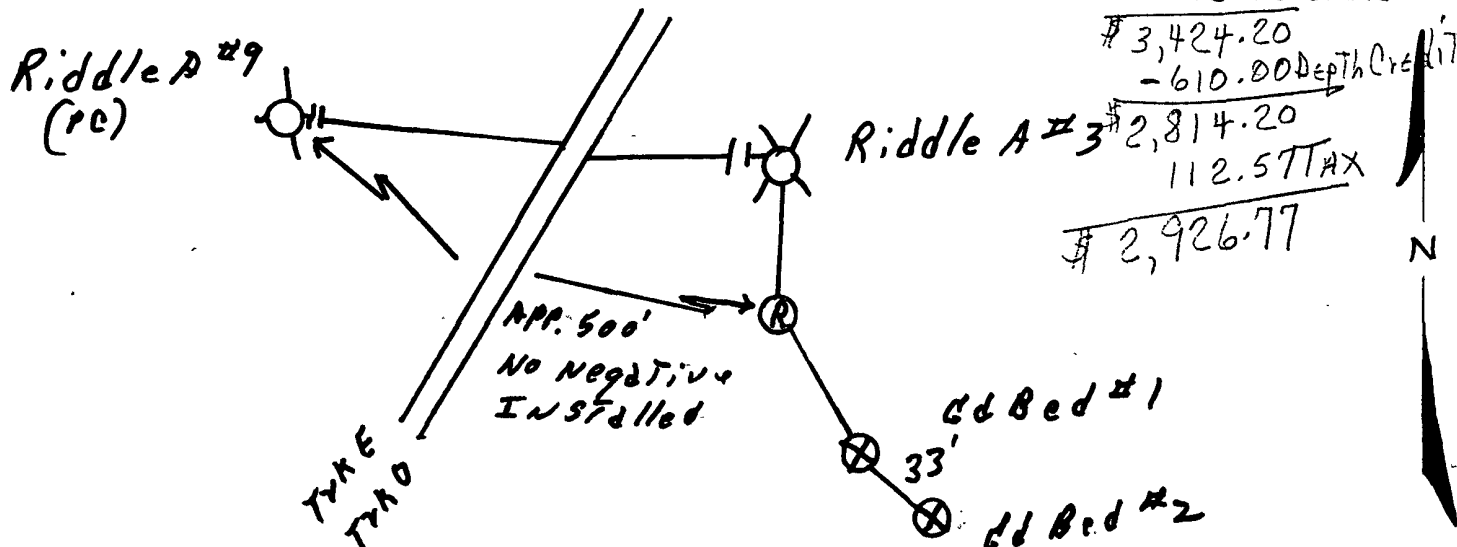
#3,409.00
15.20 Cable

3,424.20
- 610.00 Depth Credit

3 \$2,814.20
112.57 TAX

\$ 2,926.77

GROUND BED LAYOUT SKETCH



STORM WATER WELL DRILLING INC.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
WATER WELL DRILLING

CONTRACTORS
14991 W. 44TH AVENUE
GOLDEN, COLORADO 80401
PHONE (303) 278-9503

GENERAL OFFICE
14991 W. 45TH AVENUE
BAILEY OFFICE
CALL 1-838-4821

Drill GP 15 W

Date 6-17-74

Owner _____

CPS 546

Location: _____

City _____

State _____ County _____

County _____

[illegible]

Total Hours _____

Equipment Down Time _____

Hours Drilling 1 1/2

Driller Art Hadwell

Helper _____

Helper _____

C.P.S. Time _____

S.W.W.D.I. Time _____

Total Footage _____

Approval of
C.P.S. Engineer _____

40	3.0	40	3.8	100	2.0	10	1.9	30	1.9	40	3.8	100	2.0	10	1.9
50	3.6	30	3.6	50	3.6	30	3.6	50	3.6	30	3.6	50	3.6	30	3.6
60	3.2	40	3.2	60	3.2	40	3.2	60	3.2	40	3.2	60	3.2	40	3.2
70	2.1	50	2.1	70	2.1	50	2.1	70	2.1	50	2.1	70	2.1	50	2.1
80	3.4	60	3.4	80	3.4	60	3.4	80	3.4	60	3.4	80	3.4	60	3.4
90	3.8	70	3.8	90	3.8	70	3.8	90	3.8	70	3.8	90	3.8	70	3.8
100	2.0	80	2.0	100	2.0	80	2.0	100	2.0	80	2.0	100	2.0	80	2.0
110	1.9	90	1.9	110	1.9	90	1.9	110	1.9	90	1.9	110	1.9	90	1.9
120	1.8	100	1.8	120	1.8	100	1.8	120	1.8	100	1.8	120	1.8	100	1.8
130	1.7	110	1.7	130	1.7	110	1.7	130	1.7	110	1.7	130	1.7	110	1.7
140	1.6	120	1.6	140	1.6	120	1.6	140	1.6	120	1.6	140	1.6	120	1.6
150	1.5	130	1.5	150	1.5	130	1.5	150	1.5	130	1.5	150	1.5	130	1.5
160	1.4	140	1.4	160	1.4	140	1.4	160	1.4	140	1.4	160	1.4	140	1.4
170	1.3	150	1.3	170	1.3	150	1.3	170	1.3	150	1.3	170	1.3	150	1.3
180	1.2	160	1.2	180	1.2	160	1.2	180	1.2	160	1.2	180	1.2	160	1.2
190	1.1	170	1.1	190	1.1	170	1.1	190	1.1	170	1.1	190	1.1	170	1.1
200	1.0	180	1.0	200	1.0	180	1.0	200	1.0	180	1.0	200	1.0	180	1.0
210	0.9	190	0.9	210	0.9	190	0.9	210	0.9	190	0.9	210	0.9	190	0.9
220	0.8	200	0.8	220	0.8	200	0.8	220	0.8	200	0.8	220	0.8	200	0.8
230	0.7	210	0.7	230	0.7	210	0.7	230	0.7	210	0.7	230	0.7	210	0.7
240	0.6	220	0.6	240	0.6	220	0.6	240	0.6	220	0.6	240	0.6	220	0.6
250	0.5	230	0.5	250	0.5	230	0.5	250	0.5	230	0.5	250	0.5	230	0.5
260	0.4	240	0.4	260	0.4	240	0.4	260	0.4	240	0.4	260	0.4	240	0.4
270	0.3	250	0.3	270	0.3	250	0.3	270	0.3	250	0.3	270	0.3	250	0.3
280	0.2	260	0.2	280	0.2	260	0.2	280	0.2	260	0.2	280	0.2	260	0.2
290	0.1	270	0.1	290	0.1	270	0.1	290	0.1	270	0.1	290	0.1	270	0.1
300	0.0	280	0.0	300	0.0	280	0.0	300	0.0	280	0.0	300	0.0	280	0.0

WATER STAND, NG @
 40' 12/74 HOLE #1
 Re log 10.30 AM WBY
 @ 40' HOLE #1
 ON HOLE #1
 Moved R. 9.02.11.2
 HOLE #1 @ 160' @ 2.3
 TO/D FOR TRACTOR W & W

RE C
 RE B
 RE A
 RE 1
 RE 2
 RE 3
 RE 4
 RE 5
 RE 6
 RE 7
 RE 8
 RE 9
 RE 10
 RE 11
 RE 12
 RE 13
 RE 14
 RE 15
 RE 16
 RE 17
 RE 18
 RE 19
 RE 20
 RE 21
 RE 22
 RE 23
 RE 24
 RE 25
 RE 26
 RE 27
 RE 28
 RE 29
 RE 30
 RE 31
 RE 32
 RE 33
 RE 34
 RE 35
 RE 36
 RE 37
 RE 38
 RE 39
 RE 40
 RE 41
 RE 42
 RE 43
 RE 44
 RE 45
 RE 46
 RE 47
 RE 48
 RE 49
 RE 50
 RE 51
 RE 52
 RE 53
 RE 54
 RE 55
 RE 56
 RE 57
 RE 58
 RE 59
 RE 60
 RE 61
 RE 62
 RE 63
 RE 64
 RE 65
 RE 66
 RE 67
 RE 68
 RE 69
 RE 70
 RE 71
 RE 72
 RE 73
 RE 74
 RE 75
 RE 76
 RE 77
 RE 78
 RE 79
 RE 80
 RE 81
 RE 82
 RE 83
 RE 84
 RE 85
 RE 86
 RE 87
 RE 88
 RE 89
 RE 90
 RE 91
 RE 92
 RE 93
 RE 94
 RE 95
 RE 96
 RE 97
 RE 98
 RE 99
 RE 100

RE C
 RE B
 RE A
 RE 1
 RE 2
 RE 3
 RE 4
 RE 5
 RE 6
 RE 7
 RE 8
 RE 9
 RE 10
 RE 11
 RE 12
 RE 13
 RE 14
 RE 15
 RE 16
 RE 17
 RE 18
 RE 19
 RE 20
 RE 21
 RE 22
 RE 23
 RE 24
 RE 25
 RE 26
 RE 27
 RE 28
 RE 29
 RE 30
 RE 31
 RE 32
 RE 33
 RE 34
 RE 35
 RE 36
 RE 37
 RE 38
 RE 39
 RE 40
 RE 41
 RE 42
 RE 43
 RE 44
 RE 45
 RE 46
 RE 47
 RE 48
 RE 49
 RE 50
 RE 51
 RE 52
 RE 53
 RE 54
 RE 55
 RE 56
 RE 57
 RE 58
 RE 59
 RE 60
 RE 61
 RE 62
 RE 63
 RE 64
 RE 65
 RE 66
 RE 67
 RE 68
 RE 69
 RE 70
 RE 71
 RE 72
 RE 73
 RE 74
 RE 75
 RE 76
 RE 77
 RE 78
 RE 79
 RE 80
 RE 81
 RE 82
 RE 83
 RE 84
 RE 85
 RE 86
 RE 87
 RE 88
 RE 89
 RE 90
 RE 91
 RE 92
 RE 93
 RE 94
 RE 95
 RE 96
 RE 97
 RE 98
 RE 99
 RE 100

54W
 HOLE #1
 1-8-X

BY

Date:

Sheet

542

ED 210H

~~1736 = X~~

Water 5 m. d. 30'	Drilled with mud	Driller said water @ 30'	vent hose removed 126
-------------------	------------------	--------------------------	-----------------------

Water 5 to 10 A.M. 30'	Drilled with Mud	Driller said water @ 30'	vent Hose Per Forested 12'
40	3.0	3.0	50
50	2.9	3.2	60
60	3.0	3.2	70
70	2.7	3.2	80
80	3.4	3.4	90
90	3.0	3.0	100
100	1.7	1.7	110
110	1.8	1.7	120
120	1.7	1.6	130
130	1.3	1.2	140
140	3.2	3.2	150
150	3.8	3.8	160
160	3.6	3.6	170
170	3.1	3.1	180
180	3.5	3.5	190
190	3.5	3.5	200
200	4.4	4.4	210
210	4.8	4.8	220
220	5.9	5.9	230
230	5.5	5.5	240
240	5.5	5.5	250
250	5.5	5.5	260
260	5.5	5.5	270
270	5.5	5.5	280
280	5.5	5.5	290
290	5.5	5.5	300
300	5.5	5.5	310
310	5.5	5.5	320
320	5.5	5.5	330
330	5.5	5.5	340
340	5.5	5.5	350
350	5.5	5.5	360
360	5.5	5.5	370
370	5.5	5.5	380
380	5.5	5.5	390
390	5.5	5.5	400
400	5.5	5.5	410
410	5.5	5.5	420
420	5.5	5.5	430
430	5.5	5.5	440
440	5.5	5.5	450
450	5.5	5.5	460
460	5.5	5.5	470
470	5.5	5.5	480
480	5.5	5.5	490
490	5.5	5.5	500

MW	CO ₂	H ₂	N ₂	O ₂
46	9.38	-	-	-
44	5.17	-	-	-
28	4.16	-	-	-
2	3.38	-	-	-

CH 13

02/15/20

050/165/1015

16	C	C	6	9	5	6
30	C	C	9	5	6	9
44	C	C	10	8	2	1
58	C	C	12	3	8	1
72	C	C	11	3	8	1
86	C	C	15	5	0	1
100	C	C	13	7	1	1
114	C	C	15	5	7	1
128	C	C	17	8	1	1
142	C	C	17	8	1	1
156	C	C	19	3	8	1
170	C	C	9	6	9	1
184	C	C	9	6	9	1

3807

55

WELL CASING
 CATHODIC PROTECTION CONSTRUCTION REPORT
 DAILY LOG

 Drilling Log (Attach Hereto) ☐

 Completion Date 8-20-90

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
54-w	Riddle A com #260 Riddle A com #3 Riddle A com #9			☒ Good ☐ Bad
Location: N34-30-9	Anode Size: 2" X 60"	Anode Type: ANOTEC	Size Bit: 6 3/4"	
Depth Drilled #1	Depth Logged #2	Drilling Rig Time	Total Lbs. Coke Used #3	Lost Circulation Mat'l Used #4
No. Sacks Mud Used #5				
Anode Depth #1 60 #2 53	#3 60 #4 53	#5 53 #6 45	#7 58 #8 50	#9 55 #10 48
Anode Output (Amps) #1 5.9 #2 7.0	#3 6.8 #4 6.8	#5 6.0 #6 8.2	#7 5.2 #8 6.8	#9 5.3 #10 6.4
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	Amps	Ohms	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

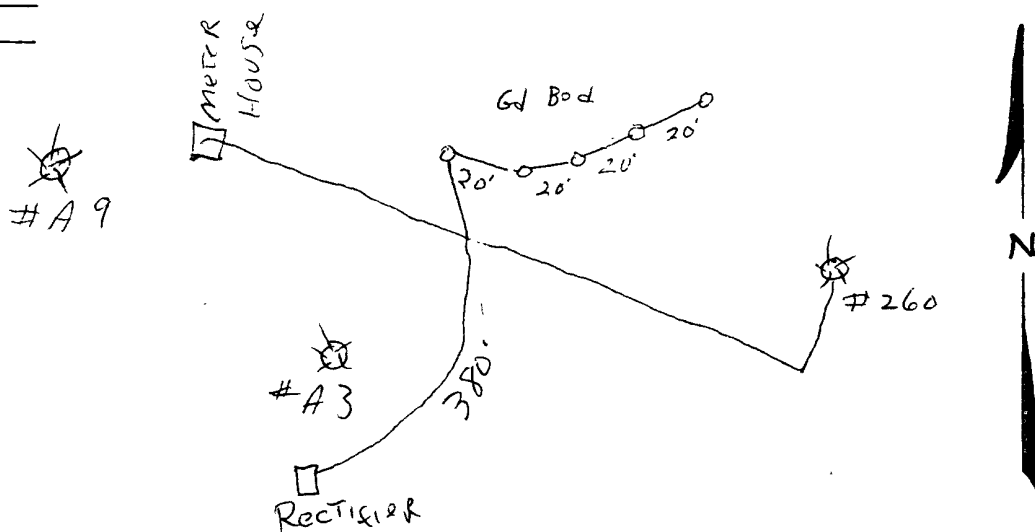
Remarks: Drilled 5 holes and loaded 2 Anode per hole. Installed 1" PVC Vent Pipe in each hole. Average hole depth approximately 65'. Approximately 500 lbs. coke per hole. Water standing at approximately 40" in hole. Perforated 20' on each Vent Pipe.

Rectifier Size: _____ V _____ A
 Addn'l Depth _____
 Depth Credit: _____
 Extra Cable: 20'
 Ditch & 1 Cable: 460'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH



BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

COMPANY MERIDIAN OIL DAILY DRILLING REPORT 8-20 19 90

WELL NAME: <u>Riddle A-Com</u>	WELL NUMBER: <u>260</u>	SECTION: <u>N 24</u>	TOWNSHIP: <u>30</u>	RANGE: <u>9</u>
WATER AT:		FEET:	HOLE MADE:	

DESCRIPTION OF FORMATION			
FROM	TO	FORMATION IS	COLOR
Well #1			
0	50'	8" PVC CASING (SAND-GRAVEL)	
50'	70'	shale	
70'	100'	SAND-GAS-ATTEMPTED TO CEMENT	
HAD TO DRILL CEMENT BACK TO 80' - B.J. HUGHES BACK TO SURFACE			
Well #2			
0	47'	8" PVC CASING (SAND-GRAVEL)	
47'	70'	shale	
Well #3			
0	47'	8" PVC CASING (SAND-GRAVEL)	
47'	65'	shale	
Well #4			
0	47'	8" PVC CASING (SAND-GRAVEL)	
47'	65'	shale	
Well #5			
0	47'	8" PVC CASING (SAND-GRAVEL)	
47'	65'	shale	
Well #6	- LOST DUE TO CASING SPLIT DUE TO GRAVEL		
(Well #7)	0	45'	8" PVC CASING (SAND-GRAVEL)
	45'	65'	shale

REMARKS: Well #1 (ABANDONED - CEMENTED / REDRILLED / CEMENTED) DRILLED WITH MUD

Well #5 (LOST - DRILLED UP 1 ANODE & WIRE DUE TO GRAVEL & SAND RUNNING)

REPLACED / RECOMPLETED Well #6 (LOST DUE TO GRAVEL)

Driller Brian E. Burge Tool Dresser

SET TWO ANODES IN 5 holes

TOTAL DAYS TO complete 7 days

CONSTRUCTION LOGGING READINGS

Meriden Oil

CPS #: 54W WELL NAME: Riddle A Com² 260 LOCATION: N24-30-9 DATE: 8-20-90

TOTAL VOLTS: 12.5 TOTAL AMPS: 7.0 OHMS RESISTANCE: 1.8

Hole # 5 at 5

												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	55	3.5	5.3
10			190			370			550			2	48	4.5	6.4
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45	1.2		225			405			585						
50	3.2		230			410			590						
55	2.6		235			415			595						
60	2.5		240			420			600						
65	62'	TD	245			425			605						
70			250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Set 45' of 8" PVC casing

CONSTRUCTION LOGGING READINGS

CPS #: 54-W WELL NAME: Riddle A cam 260 LOCATION: N24-30-9 DATE: 8-17-90

TOTAL VOLTS: 12.46 TOTAL AMPS: 8.3 OHMS RESISTANCE: 1.5

Hole # 4 of 5

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
	ANODE	NO.		ANODE	NO.		ANODE	NO.		ANODE	NO.			COKE	COKE
5			185			365			545			1	58	2.8	5.2
10			190			370			550			2	50	3.8	6.8
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45	1.6		225			405			585						
50	2.9	2	230			410			590						
55	2.5		235			415			595						
60	2.0	1	240			420			600						
65	2.0		245			425			605						
70	6.6	TD	250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Set 45' of 8" PVC casing

CONSTRUCTION LOGGING READINGS

Meriden 011

CPS #: 54-W WELL NAME: Riddle A com #260 LOCATION: N 24 30 A DATE: 8-17-90

TOTAL VOLTS: 12.4 TOTAL AMPS: 10.2 OHMS RESISTANCE: - 1.2

Note # 3 of 5

Note # 3 of 5												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	53	3.7	6.0
10			190			370			550			2	45	5.4	8.2
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40	3.5		220			400			580						
45	3.9	2	225			405			585						
50	3.1		230			410			590						
55	2.9	1	235			415			595						
60	2.6		240			420			600						
65	62' TD		245			425			605						
70			250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Set 40' of 8" PVC casing

CONSTRUCTION LOGGING READINGS

Meridan Oil

CPS #: 54-W WELL NAME: Riddle Acom² 260 LOCATION: N24309 DATE: 8-16-90

TOTAL VOLTS: 2.9 TOTAL AMPS: 8.1 OHMS: 1.6

Hole #1 of 5

Hole #1 of 5												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	60	3.5	3.9
10			190			370			550			2	53	3.8	7.0
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45			225			405			585						
50	23		230			410			590						
55	3.0	2	235			415			595						
60	2.9	1	240			420			600						
65	2.2	TD	245			425			605						
70			250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Set 4 8' of 8" PVC casing

CONSTRUCTION LOGGING READINGS

Meriden Oil

CPS #: 54-W WELL NAME: Riddle A Com 260 LOCATION: DATE: 8-16-90

TOTAL VOLTS: 12.5 TOTAL AMPS: 7.7 OHMS RESISTANCE: 1.62

Hole #2 of 5

DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	ANODE READINGS			
												NO.	DEPTH	NO COKE	WITH COKE
5			185			365			545			1	60	3.4	6.1
10			190			370			550			2	53	3.7	6.8
15			195			375			555						
20			200			380			560						
25			205			385			565						
30			210			390			570						
35			215			395			575						
40			220			400			580						
45			225			405			585						
50	3.1	2	230			410			590						
55	29		235			415			595						
60	27	1	240			420			600						
65	2.0		245			425			605						
70	2.0	TD	250			430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90			270			450			630						
95			275			455			635						
100			280			460			640						
105			285			465			645						
110			290			470			650						
115			295			475			655						
120			300			480			660						
125			305			485			665						
130			310			490			670						
135			315			495			675						
140			320			500			680						
145			325			505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175			355			535			715						
180			360			540			720						

REMARKS: Set 47" of 8" PVC Casing