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113- 30-039-20201

199- 30-039-23052

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. 10 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #113, #199

cps 1716w

Elevation 7337' Completion Date 9/16/83 Total Depth 620' 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 SAND 410'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6100 lbs.

Depths anodes placed: 575', 565', 555', 545', 535', 525', 500', 490', 465', 455', 260'

Depths vent pipes placed: 605'

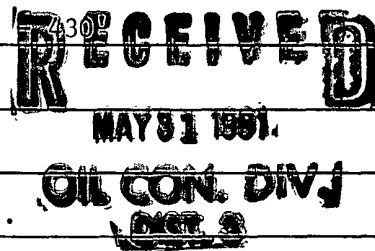
Vent pipe perforations: 300'

Remarks: gb #1 FIRST HOLE 300', FINE, LOOSE SAND. COULD NOT CLEAN HOLE-ABANDONED

SECOND HOLE 500', SAME PROBLEM-ABANDONED.

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) ☐Completion Date 9/16/83

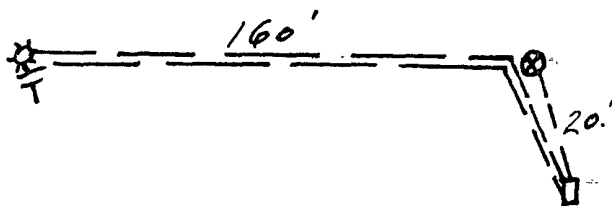
CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1716 W	S.J. 27-5 *113 S.J. 27-5 *199	54692-19-50-20-64 59190-21-50-20-64	600' N = 1.03 V 600' N = 1.04 V	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
NE 10-27-5	2" X 60"	DUTION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
620'	605'		Skipped 6100 LB	
Anode Depth				
#1 575'	#2 565'	#3 555'	#4 545'	#5 535'
#6 525'	#7 500'	#8 490'	#9 465'	#10 455'
Anode Output (Amps)				
#1 4.1	#2 3.92	#3 4.0	#4 4.28	#5 4.23
#6 4.53	#7 3.33	#8 3.77	#9 4.75	#10 3.4
Anode Depth				
#11 260'	#12 4.25	#13	#14	#15
#16	#17	#18	#19	#20
Anode Output (Amps)				
#11 4.25	#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 10.7 V	Amps 18.4 A	Ohms .58 Ω		

Remarks: Drilled into Loose, Fine, SAND AT 300', could NOT clean hole. Moved 300', STARTED HOPE
 Drilled 500', driller WAS hung in hole, SAME problem, very FINE LOOSE SAND, Moved Across
 Location, drilled hole #3 TO 620', logged 605'. Driller said WET SAND BETWEEN 410' + 430', could NOT
 Blow WATER out of hole. Installed 605' of 1" PVC. VENT pipe, perforated 300'. Coked 9 Anodes and
 Hole bridged Above #10. Tried To Free bridge with #10 Anode. #10 STUCK in hole, AND WAS THEN
 Reading 2.58A. Installed #11 Anode, AFTER #11 Anode Took COKE, COKE breeze went Around #10
 Driller said NO WATER in Hole #1 + #2.

Rectifier Size: 60 V 30 A
 Addn'l Depth 105' ✓
 Depth Credit: _____
 Extra Cable: 230' + 270' For #11 Anode = 500' TOTAL ✓
 Ditch & 1 Cable: 180' ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: _____
 10' Stub Pole: _____

1 extra Anode ✓

GROUND BED LAYOUT SKETCH



Time	TOTAL	Reg.	O.T.
W.O. 54692-16	12	4	
59190-17	12	5	

(Signature)

CPS 1716 W

S.J. 27-5 #13

W.O. 54692-19-50-20-64

NE 10-27-5

S.J. 27-5 #199

W.O. 59190-21-50-20-64

MW	gals/mol
16.04 C1	6.4
30.07 C2	10.12
44.10 C3	10.42
58.12 iC4	12.38
58.12 nC4	11.93
72.15 iC5	13.85
72.15 nC5	13.71
86.18 iC6	15.50
86.18 C6	15.57
100.21 iC7	17.2
100.21 C7	17.46
114.23 C8	19.39
28.05 C2	9.64
42.08 C3	9.67

MW	MISC	gals/mol
32.00 O2		3.37
28.01 CO		4.19
44.01 CO2		6.38
64.06 SO2		5.50
34.08 H2S		5.17
28.01 N2		4.16
2.02 H2		3.38

400 - 1.18	580 - 2.57	Drilled 300', WAS drilling in
1.21	2.57	sand, Hole WAS caving,
10 - 1.36	90 - 2.52	Moved 300', Drilled 2' hole
1.46	2.72	To 500', Driller WAS hanging in
20 - 1.37	600 - T.D. = 605'	hole. Moved 300' Drilled Hole
1.5		#3, To 620'. Logged 605'. Driller
30 - 1.68	620 -	said wet sand between 410
1.61		& 430, shut Rig down for
40 - 1.65		15 min. could not flow water.
1.6		Installed 605' of 1" P.V.C.
50 - 2.24		VCNT pipe perforated
3.12 - (10)		300'. Coked 9 anodes &
60 - 3.64	375' - 1.6	Hole bridged above #10.
3.58 - (9)	80' - 1.06	Tried to free bridge with
70 - 3.0	- .76	#10 anode. #10 stuck in
2.72	90' - 1.04	hole & read 2.58A. Installed
80 - 1.75	1.03	#11 anode. After #11 took
1.87		coke, coke went around
90 - 2.38 - (8)		#10.
2.78		10.7 V. 18.4 A = .58 A
500 - 2.42 - (7)		
2.11		
10 - 2.02	1 - 575' - 2.74 - 4.1	
1.87	2 - 565' - 2.63 - 3.92	
20 - 1.47	3 - 555' - 3.0 - 4.0	
2.2 - (6)	4 - 545' - 3.09 - 4.28	
30 - 3.11	5 - 535' - 3.23 - 4.23	
3.21 - (5)	6 - 525' - 3.12 - 4.53	
40 - 3.17	7 - 500' - 2.22 - 3.33	
3.37 - (4)	8 - 490' - 2.65 - 3.77	
50 - 3.22	9 - 465' - 3.18 - 4.75	
2.39 - (3)	10 - 455' - 3.0 - 3.9	
60 - 2.7	11 - 260' - 3.24 - 4.25	
2.34 - (2)		
70 - 2.16		
2.94 - (1)		

