

1051

16-30-039-06964

75-30-039-0694-3

120-30 039-20313

E

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. 23 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #16, #75, #120

cps 1713w

Elevation 6508' Completion Date 9/27/83 Total Depth 180' 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. 20' NO SAMPLE

Depths gas encountered: N/A

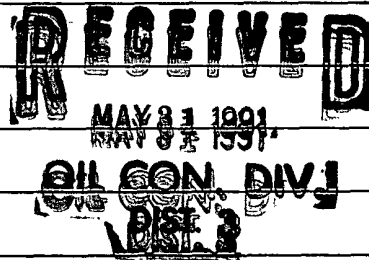
Type & amount of coke breeze used: 1800 lbs.

Depths anodes placed: 155', 145', 130', 120', 110', 95', 80', 70', 60', 50'

Depths vent pipes placed: 180'

Vent pipe perforations: 160'

Remarks: gb #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) ☐Completion Date 9/27/83

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1713 W	S.J. 27-5 #16	52962-19-50-20-64	600'S = .92 V	☒ Good ☐ Bad
	S.J. 27-5 #75	54209-19-50-20-64	600'S = .83 V	
	S.J. 27-5 #120	54763-19-50-20-64	600'S = .87 V	
Location:	Anode Size:	Anode Type:	Size Bit:	
SW 23-27-5	2" X 60"	DURATION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
180'	180'		slurred 1800 LB.	0
No. Sacks Mud Used	2			
Anode Depth				
# 1 155'	# 2 145'	# 3 130'	# 4 120'	# 5 110'
# 6 95'	# 7 80'	# 8 70'	# 9 60'	# 10 50'
Anode Output (Amps)				
# 1 2.65	# 2 2.6	# 3 2.75	# 4 2.85	# 5 3.44
# 6 2.68	# 7 3.2	# 8 3.33	# 9 2.97	# 10 3.25
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 12.1	Amps 11.1	Ohms 1.1		
No. 8 C.P. Cable Used				
No. 2 C.P. Cable Used				

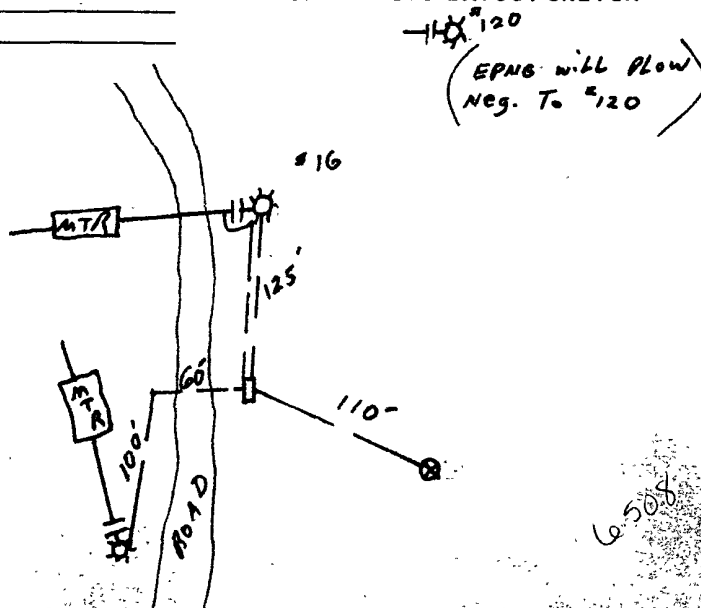
Remarks: Driller said WATER AT 20'. Approx. 20 gal/min. Drilled hole with mud. Did NOT get WATER SAMPLE. Drilled To 180', Logged 180'. Logged Hole, with hole mudded up. Flushed Hole + Loaded. INSTALLED 180' of 1" P.V.C. VENT pipe, perforated 160'.

Rectifier Size: 60 V 20 A ✓
 Addn'l Depth
 Depth Credit: 320' ✓
 Extra Cable: 165' ✓
 Ditch & 1 Cable: 395' ✓
 25' Meter Pole: 1 ✓
 20' Meter Pole: —
 10' Stub Pole: —

All Construction Completed

JE Little
 (Signature)

GROUND BED LAYOUT SKETCH



Time	Reg	A.T.
10Hr	8	2V

CPS 1713 W

S.J. 27-5 #16

W.O. 52962-19-50-20-64

S.J. 27-5 #75

54209-19-50-20-64

SW 23-27-5

S.J. 27-5 #120

54763-19-50-20-64

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

20-1.67

3 2.2

30-2.6

1.82

40-1.42

1.54

50-1.67 - (10)

1.56

60-1.39 - (9)

1.49

70-1.52 - (8)

1.66

80-1.47 - (7)

1.43

90-1.3

1.36 - (6)

100-1.33

1.54

10-2.09 - (5)

1.78

20-1.47 - (4)

1.27

30-1.47 - (3)

1.27

40-1.31

1.37 - (2)

50-1.29

1.33 - (1)

60-1.32

1.62

70-2.15

1.78

80-180' T.P.

DRILLER SAID WATER AT 20'
 Approx 20 gals/min. DRILLED
 Hole WITH mud, did NOT
 get WATER sample. Drilled
 To 180', logged Hole WITH
 hole mudded up. Flushed Hole
 and Loaded, T.P. = 1.80'.
 INSTALLED 180' of 1" P.V.C.
 VENT Pipe, Perforated
 160'.

12.1 V. 161 A. = 1.1. 5

1-155-1.36-2.65

2-145-1.41-2.6

3-130-1.52-2.75

4-120-1.52-2.85

5-110-2.1-3.44

6-95-1.4-2.68

7-80-1.56-3.2

8-70-1.58-3.33

9-60-1.43-2.97

10-50-1.7-3.25

CPS/713⁰ DAILY DRILLING REPORTLEASE SAN JUAN WELL NO. 27-5 #16 CONTRACTOR SK Drilling RIG NO. REPORT NO. DATE 9-27-83

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.
					0	60	SAND	6 3/4						
					60	180	SAND to SHALE							

BIT NO.		NO. DC		SIZE		LENG.		BIT NO.		NO. DC		SIZE		LENG.		BIT NO.		NO. DC		SIZE		LENG.	
SE	L NO.	STANDS		SINGLES		DOWN ON KELLY		SE	L NO.	STANDS		SINGLES		DOWN ON KELLY		SE	L NO.	STANDS		SINGLES		DOWN ON KELLY	

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.		Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
	MAKING WATER 20'	
	20 gal a min	

SIGNED: Toolpusher

Billy Samson

Company Supervisor

JE Smith