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30-039-20483

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

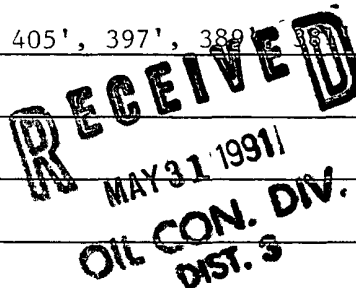
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 4 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #167cps 1282wElevation 6465' Completion Date 9/28/78 Total Depth 460' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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'Depths gas encountered: N/AType & amount of coke breeze used: 45 SACKSDepths anodes placed: 437', 429', 421', 413', 405', 397', 389', 381', 373', 365'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: 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 9-28-78

Well Name S.S. 28-6 #167		Location SW 4-27-6		CPS No. 1282W	
Type & Size Bit Used 6 3/4		CONTRACT 2		Work Order No. 55198.19	
Anode Hole Depth 460-460TD	Total Drilling Rig Time	Total Lbs. Coke Used 45 sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 437	# 2 429	# 3 421	# 4 413	# 5 405	# 6 397
# 7 389	# 8 381	# 9 373	# 10 365		
Anode Output (Amps)					
# 1 3.6	# 2 3.3	# 3 3.4	# 4 3.2	# 5 2.8	# 6 2.8
# 7 2.9	# 8 3.8	# 9 3.3	# 10 2.9		
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 12.0	Amps 13.3	Ohms .9			

Remarks: ST 4/3 600' W = .76 INST 10 2" x 48" GRAPHITE ANODES
DRILLER SAID WATER AT 140'. 2 WATER ZONES EST WATER 10 G.P.M.
COULD NOT GET RETURN CIRCULATION. HOLE WOULD HOLD WATER
BELOW 265'.

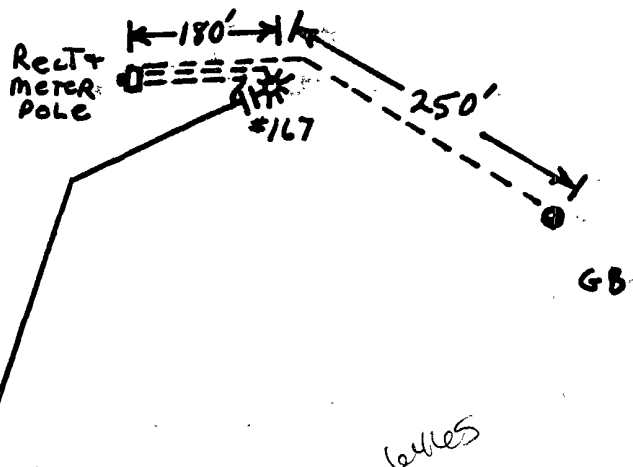
Hole depth = -40
 Cable + Ditch = 430'
 EXTRA CABLE = 360'

20' meter Loop Pole
 40V16A Rect.

All Construction Completed

Robert J. Balnick
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
 YELLOW - Area Corrosion Office
 PINK - Originator File

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 9-28-78
By: JLB
File: 1282 W

1282 W
SS 28-6 #167 SW 4-27-6 55198.19 ST 95600' W = .76

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ ⁺ 9.64
42.08	C ₃ ⁺ 9.67

MW	MISC. gals/mol
32.00	O ₂ 3.37
28.01	CO 4.19
44.01	CO ₂ 6.38
64.06	SO ₂ 5.50
34.08	H ₂ S 5.17
28.01	N ₂ 4.16
2.02	H ₂ 3.38

Driller said water at 140'
2 water zones approx 10.6 gpm
could not get circulation
Hole would hold water
Below 265'

10 GRAPHIC ANODES

Hole depth = -40
Cable + Ditch = 430
EXTRA CABLE = 360
20 FT meter pole
400/6A Rect

- ① 437 - 2.3 - 3.6
- ② 429 - 2.1 - 3.3
- ③ 421 - 2.0 - 3.4
- ④ 413 - 1.9 - 3.2
- ⑤ 405 - 1.4 - 2.8
- ⑥ 397 - 1.4 - 2.8
- ⑦ 389 - 1.6 - 2.9
- ⑧ 381 - 2.4 - 3.8
- ⑨ 373 - 1.9 - 3.3
- ⑩ 365 - 1.6 - 2.9

TOTAL 12.0 V / 3.3 A = .9 ohms

250

50 1.7

— 1.7

60

60 1.7

+ drilled

70 .4

80 .6

90 .6

100 .6

110 .6

120 .6

130 .6

140 .6

150 .6

160 .6

170 .6

180 .6

190 .6

200 .6

210 .6

220 .6

230 .6

240 .6

250 .6

260 .6

270 .6

280 .6

290 .6

300 .6

310 .6

320 .6

330 .6

340 .6

350 .6

360 .6

370 .6

380 .6

390 .6

400 .6

410 .6

420 .6

430 .6

440 .6

450 .6

460 .6

470 .6

480 .6

490 .6

500 .6

DAILY DRILLING REPORT

LEASE 1282 W WELL NO. 1282W CONTRACTOR O'Brian Drilling RIG NO. 1 REPORT NO. _____ DATE Sept 28 1978

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.

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SERI. NO. _____		STANDS _____	SERI. NO. _____		STANDS _____	SERI. 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
0	3	Surface	145	170	Shale	335	345	Shale
3	28	Sandstone	170	205	Sandstone	345	365	Sandstone
28	37	Shale	205	215	Shale	365	460	Shale
37	108	Sandstone	215	230	Sandstone			
108	127	Shale	230	250	Shale			
127	145	Sandstone (Water)	250	335	Sandstone (Water)			

REMARKS -	REMARKS -	REMARKS -
		Drilled 6 3/4 hole to 460
		Logged to 460
		Est. water 10 GPM

SIGNED: Toolpusher Dutch Benoit

Company Supervisor _____