

918

10 - 30-039-07417
88- 30-039-20475

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. 15 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #10, #88

cps 1116w

Elevation 6622' Completion Date 10/11/77 Total Depth 240' 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

Depths gas encountered: N/A

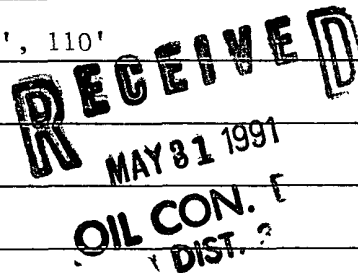
Type & amount of coke breeze used: 33 SACKS

Depths anodes placed: 160', 150', 140', 130', 120', 110'

Depths vent pipes placed: 165'

Vent pipe perforations: 165'

Remarks: gb #2



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

9-29-77

Completion Date 10-11-77

Drilling Log (Attach Hereto). ☐

Well Name SW 28-5#10 & #88		Location SW 15-28-5		CPS No. 1116W	
Type & Size Bit Used 6 3/4				Work Order No. 40004.19 & 54985.1	
Anode Hole Depth 267	Total Drilling Rig Time	Total Lbs. Coke Used 107 BAGS	Lost Circulation Mat'l Used	No. Sacks Mud Used 5	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	235	225	215	205	160
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.8	3.4	3.4	4.4	3.2
Anode Depth	# 6	# 7	# 8	# 9	# 10
	150	140	130	120	110
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.9	4.4	3.7	3.6	3.5
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.0		Amps 11.5		Ohms 1.04
		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

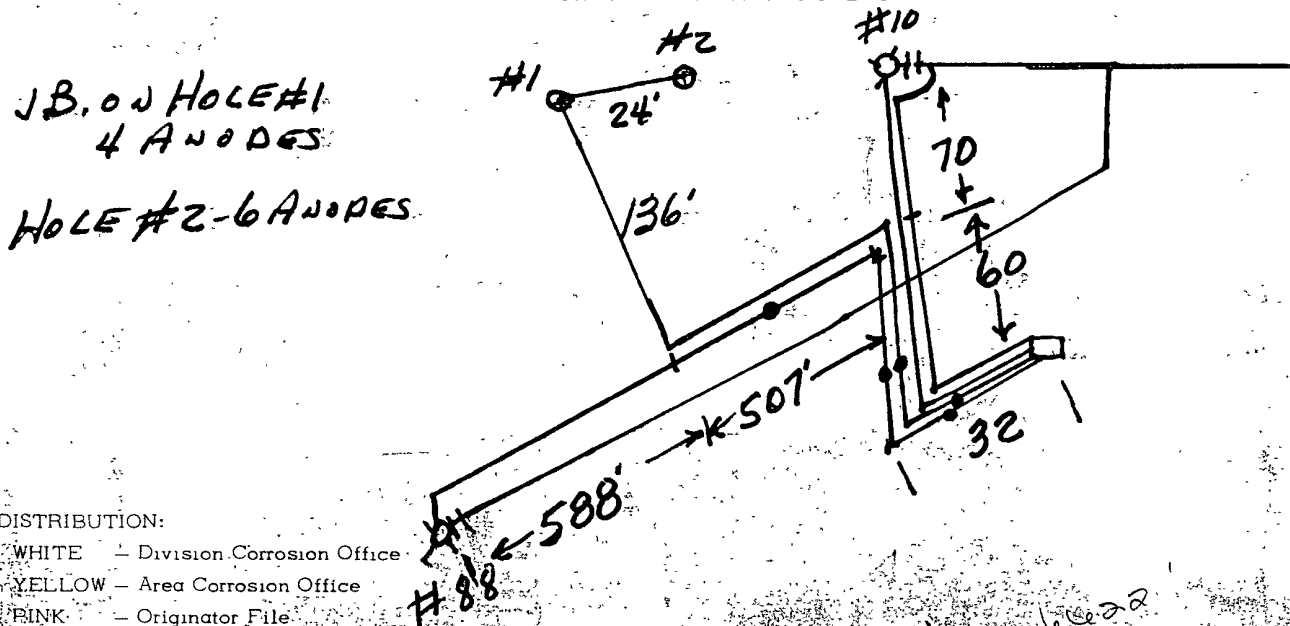
Remarks: **DRILL TO 300, LOG 267-HOLE CAVED AFTER 4 ANODES RESPOND
MOVE & START WITH MUD, DRILL 240, LOG 211-INSTALL 6 ANODES
DRILLER SAID HOLE #1 MAKE WATER 100, TO 110'-VENT PIPE TO 24.
PERF. 200- VENT #2 HOLE TO 165- PERF. 165'
HOLE #1 74 COKE #2 33**

**GRAPHITE ANODES
60-30 RECT
STUB POLE**

All Construction Completed

Arrels
(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: _____ of _____

Date: _____

By: _____

File: _____

1025
507
589

1116W

9-29-77

S.J. 28-5#10

S.J. 28-5#88

SW 15-28-5

SW 15-28-5

WA 4000 4.19

54985.19

Static 0.71

Static 0.78-

700'-5

800'E

HOLE #1

DRILLER SAID INTER AT 100'

1" PVC VENT TO, 240'
PERF 200'

74 Coke

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

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

100 1.1 275

10 1.0 80

20 1.7 90

30 1.5 300

40 1.7

50 1.6

60 1.7

70 2.0

80 1.8

90 1.4

100 1.5

110 1.4

120 1.0

130 1.7

140 1.8

150 1.3

160 1.9

170 1.8

180 1.9

190 1.9

200 1.9

210 1.7

220 1.8

230 1.8

240 1.8

250 1.9

260 1.7

270 1.2

280 1.5

290 1.3

300 267 T.D.

1 235 2.2

2 225 2.1

3 215 2.5

4 205 2.5

5 195 1.7 160-

6 155

7 145

8 135

9 125

10 115

#1 = 74 coke

5J.28-5 #10 & #88 - HOLE #2

NOTE - HOLE #1 WET 100 TO 110
Start This Hole With Mud.

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 ²	9.64
42.08	C ₃ ²	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

[illegible]

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

19

Hole #2

11164

Posey Drilling

10-10

77

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.
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 -	REMARKS -
0-5 SURFACE		
5-100 Grit		
100-120 SANDY SHALE		
120-140 SHALE		
140-180 SANDY SHALE		
180-240 SHALE		

Drilled 340
Logged 211
T/D 226

SIGNED: Toolpusher

Company Supervisor

DAILY DRILLING REPORT

LEASE

WELL NO. 1116W CONTRACTOR POSEY DRILLING CO. RIG NO.

RIG NO.

REPORT NO.

DATE Sept. 89 19 77

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.			
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			
0	4	SURFACE				140	160	SANDY SHALE				280	300	SANDY SHALE			
4	20	SANDY CLAY				160	180	SHALE									
20	100	SILT				180	200	SANDY SHALE									
100	110	SAND WET (MAKING WATER)				200	240	SAND									
110	120	SANDY SHALE				240	260	SANDY SHALE									
120	140	SHALE				260	280	SHALE									
REMARKS -						REMARKS -						REMARKS -					
												Drilled 300					
												LOGGED 267					
												TD 284					

SIGNED: Toolpusher

Company Supervisor 3