

914 #26 30-039-07430
#97 30-039-21392

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 NE Sec 14 Twp 28 Rng 5

Name of Well/Wells or Pipeline Served SAN JUAN 28-5 UNIT #26, #97

cps 1114w

Elevation 7284' Completion Date 11/9/77 Total Depth 460' 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. 260'

Depths gas encountered: N/A

Type & amount of coke breeze used: 57 SACKS

Depths anodes placed: 420', 410', 400', 390', 350', 340', 330', 320', 300', 290'

Depths vent pipes placed: 420' OF 1" PVC VENT PIPE

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

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). ☐

#97

Completion Date 11-9-77

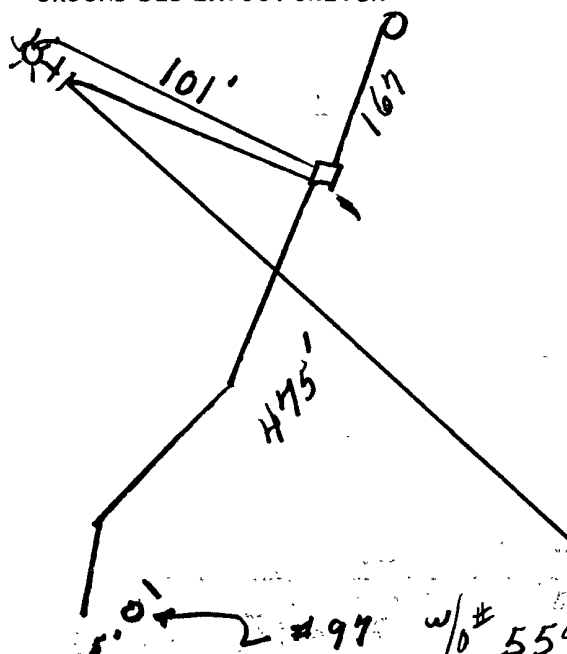
Well Name SAN JUAN 28-5 UNIT #26		Location NE 14-28-5		CPS No. 1114W	
Type & Size Bit Used 6 3/4"				Work Order No. 53462.19	
Anode Hole Depth 460 Logged 439	Total Drilling Rig Time	Total Lbs. Coke Used 57	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 420	# 2 410	# 3 400	# 4 390	# 5 350	# 6 340
# 7 330	# 8 320	# 9 300	# 10 290		
Anode Output (Amps)					
# 1 4.4	# 2 4.4	# 3 4.8	# 4 2.4	# 5 3.6	# 6 4.6
# 7 4.5	# 8 3.6	# 9 5.2	# 10 4.9		
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 11.0		Amps 19.0		Ohms 0.58	

Remarks: STATIC #26 600' N.W. = 0.77. (STATIC #97 600'S = 0.82. Note: well not compl
DRILLED 1 Gnd Bed 700' Hole CAVED, MOVED TO NEW LOG. DRILLED 700' ~~WELL~~
~~WELL~~ Hung in Hole for 2 days. UNABLE TO GET PAST 460'. DRILLER
SAID wet spot @ 260'. Installed Anodes below 260'. Installed 420'
of 1" PVC vent Pipe. Perforated 300' of 1" PVC vent Pipe. Slurried
57 SACKS of COKE. Installed 60V 30A Rectifier & Stub Pole

All Construction Completed

W. J. Louth
(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: _____

466
26
14

SAN JUAN 28-5 UNIT #26 NE 14-28-5 1114W 53462.19

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

STATIC #26 600' NW 0.77		DRILLER SAID MIGHT BE MAKING	
STATIC #97 600' S = 0.82		SOME WATER @ 380' DRILLED 700' DRY	
60V 30A RECTIFIER		PERFORATED 300' OF 1" PREVENT PIPE	
STUB POLE		INSTALLED 420' OF 1" PREVENT PIPE	
		SHIPPED 57 SACKS OF COKE	
		HOLE CAVED @ 360' WENT TO MUD. UNABLE TO MAKE	
		380' CONNECTION. DRILLER SAID WENT @ 260' MIGHT	
		MAKE WATER	
200 2.4	70 1.5		
2.2	.7		
10 3.1	80 1.0		
1.8	.9		
20 1.8	90 1.2 (1)		
2.3	1.3		
30 1.9	400 1.8 (2)		
1.7	2.0		
40 1.6	10 1.7 (2)		
1.5	1.7		
50 1.6	20 1.7 (1)		
1.9	1.7		
60 2.0	30 1.4		
1.9	439 + D		
70 1.9	40		
1.7		① 420 2.3	4.9
80 1.7	50	② 410 2.5	4.4
2.0		③ 400 2.0	4.8
90 2.0	⑩ 460 DRILLED	④ 390 1.3	2.4
2.1		⑤ 350 2.2	3.6
300 2.0	⑨ 70	⑥ 340 2.7	4.6
1.6		⑦ 330 2.6	4.5
10 1.5	80	⑧ 320 2.2	3.6
1.6		⑨ 300 2.9	5.2
20 1.7	⑧ 70	⑩ 290 2.9	4.9
2.0			
30 1.5	⑤ 500		
1.9			
40 1.5	⑥	11.0 VOLTS	
1.7		19.0 AMPS	
50 1.5	⑤	0.58 OHMS	
1.5			
60 1.0			
.4			

DAILY DRILLING REPORT

LEASE		WELL NO. <u>1114</u>		CONTRACTOR <u>POSEY DRILLING CO.</u>		RIG NO.		REPORT NO.		DATE <u>11-9-</u>		19 <u>77</u>					
MORNING					DAYLIGHT					EVENING							
Driller _____ Total Men In Crew _____					Driller _____ Total Men In Crew _____					Driller <u>A. POSEY</u> 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. _____			
SER. NO. _____		STANDS _____				SERIAL NO. _____		STANDS _____				SERIAL NO. _____		STANDS _____			
SIZE _____		SINGLES _____				SIZE <u>6 3/4"</u>		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'	10	SURFACE									
						10	50	SAND STONE									
						50	85	GREENISH SHALE									
						85	100	SAND - - - DAMP (NO WATER)									
						100	150	SAND STONE									
						150	200	BLUE CLAY									
REMARKS -						REMARKS -						REMARKS -					
						200-250 SAND - STONE						412-435 SAND STONE					
						250-275 SANDY CLAY						435-465 BROWNISH CLAY					
						275-300 SAND (NO WATER)											
						300-312 BROWNISH CLAY											
						312-350 GREENISH SAND STONE											
						350-376 BROWN CLAY						700?					
						376-400 SAND STONE											
						400-412 SAND (WET)											

SIGNED: Toolpusher

A. Posey

Company Supervisor