

921

#16 30-039-07439
#84 30-039-20360
#202 30-039-24517

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 16 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #16, #84, #202

cps 1119w

Elevation 6582' Completion Date 9/28/77 Total Depth 320' 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. 90'

Depths gas encountered: N/A

Type & amount of coke breeze used: 40 SACKS

Depths anodes placed: 275', 260', 225', 215', 205', 285', 175' 150', 135'

Depths vent pipes placed: 280' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

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). ☐ *8/20*

Completion Date 9-28-77

Well Name SAN JUAN 28-5# 16 28-5# 84		Location NE 16-28-5		CPS No. 1119W	
Type & Size Bit Used 6 3/4"				Work Order No. 53264.19-50-20 184-54811.19-50-20	
Anode Hole Depth 1099ed 309'	Total Drilling Rig Time	Total Lbs. Coke Used 40 Sacks	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 275	# 2 260	# 3 225	# 4 215	# 5 205	# 6 185
# 7 175	# 8 150	# 9 135	# 10 125		
Anode Output (Amps)					
# 1 3.3	# 2 2.7	# 3 2.9	# 4 3.6	# 5 3.8	# 6 4.4
# 7 3.2	# 8 3.1	# 9 4.1	# 10 3.3		
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 12.4	Amps 14.2	Ohms .87			

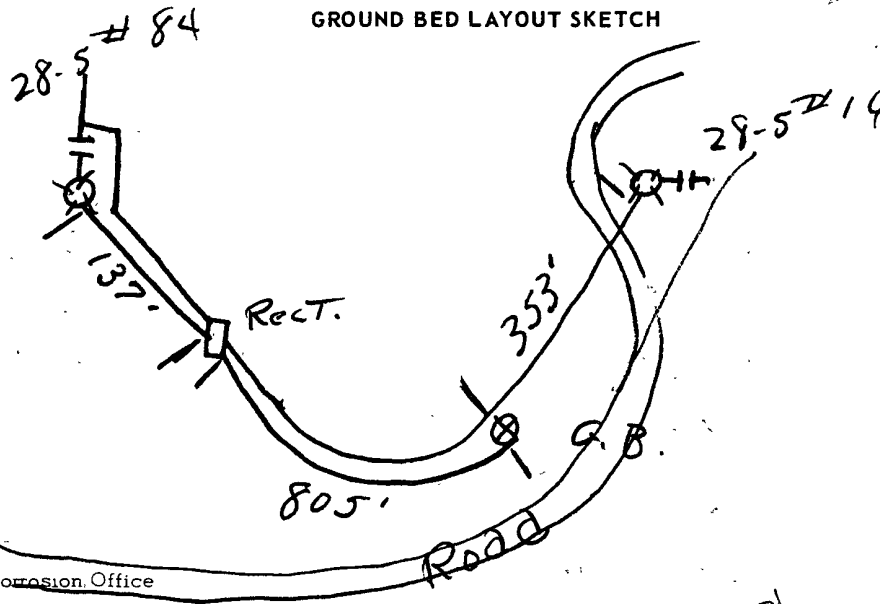
Remarks: **STATICS = 28-5# 16, 600 NW = .74, 28-5# 84 600' NE = .75**
DRILLER Said hit WATER at 90'

Installed 280' of 1" VENT PIPE, PERFORATED 200' of VENT PIPE
Slurried 40 Sacks COKE, 10 GRAPHITE ANODES
60V 30A RECT **1 NOTCH = 28-5# 84**
STUB Pole **3 NOTCHES = 28-5# 16**

All Construction Completed

Stilts Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

65821

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 9 of 28
Date: 9-28-77
By: _____
File: _____SAN JUAN 28.5 #16
SAN JUAN 28.5 #84
NE 16-28.5
CPS-1119 WW/O 184-53264.19-50-20
W/O 184-54811.19-50-20

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

STATIC 28.5 #16		600' NW = .74	DRILLER SAID HIT WATER AT 90'	
STATIC 28.5 #84		600' NE = .75	INSTALLED 280' of 1" VENT PIPE	
60V 30A Rect.			PERFORATED 200' of VENT PIPE	
STUB POLE			SLURRIED 40 JACKS OF COKE	
10 GRAPHITE ANODES				
90	.7	20	1.6 (4)	
100	1.0	30	1.7 (3)	
	1.7		1.6 (3)	
	1.5		1.1	
10	1.3		.9	
	1.3	40	.3	
20	1.2		.2	
	1.5 (10)	50	.5	
30	2.0		1.2	
	1.7 (9)	60	1.1 (2)	
40	1.3		1.0	
	1.3	70	1.2	
50	1.5 (8) -		1.5 (1)	
	1.4	80	1.3	
60	1.1		1.0	
	.9	90	.8	2275 1.9 33
70	1.3		.8	2260 1.5 27
	1.4 (7)	300	.3	225 2.1 29
80	1.8		.3	215 2.1 36
	1.9 (6)	10' logged 309'		205 2.7 38
90	1.9	T.D. 320'		185 2.3 44
	1.9	20		175 1.8 32
200	1.9			150 1.9 31
	1.9 (5)	30		135 2.3 41
10	1.5			125 1.9 33
		12.4 VOLTS		
		14.2 AMPS		
		.87 ohms		

DAILY DRILLING REPORT

LEASE		WELL NO. <u>1119 W</u>		CONTRACTOR <u>Posey Drilling Co.</u>		RIG NO.		REPORT NO.		DATE <u>Sept 28 1977</u>							
MORNING					DAYLIGHT					EVENING							
Driller _____ Total Men In Crew _____					Driller <u>Bob Posey</u> 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. _____		BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____			
SER. NO. _____		STANDS _____		SERIAL NO. _____		STANDS _____		SERIAL NO. _____		STANDS _____		SERIAL NO. _____		STANDS _____			
SIZE _____		SINGLES _____		SIZE <u>6 3/4</u>		SINGLES _____		SIZE _____		SINGLES _____		SIZE _____		SINGLES _____			
TYPE _____		DOWN ON KELLY _____		TYPE <u>Rock</u>		DOWN ON KELLY _____		TYPE _____		DOWN ON KELLY _____		TYPE _____		DOWN ON KELLY _____			
MAKE _____		TOTAL DEPTH _____		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					
<u>0</u>	<u>2</u>	<u>SURFACE</u>			<u>80</u>	<u>90</u>	<u>SANDY SHALE</u>			<u>100</u>	<u>220</u>	<u>SHALE</u>					
<u>2</u>	<u>10</u>	<u>SANDSTONE</u>			<u>90</u>	<u>100</u>	<u>SAND WET (MAKING WATER)</u>			<u>220</u>	<u>240</u>	<u>SANDY SHALE</u>					
<u>10</u>	<u>20</u>	<u>SANDY CLAY</u>			<u>100</u>	<u>120</u>	<u>SANDY SHALE</u>			<u>240</u>	<u>260</u>	<u>SHALE</u>					
<u>20</u>	<u>40</u>	<u>SHALE</u>			<u>120</u>	<u>160</u>	<u>SHALE</u>			<u>260</u>	<u>280</u>	<u>SANDY SHALE</u>					
<u>40</u>	<u>60</u>	<u>SANDY SHALE</u>			<u>160</u>	<u>180</u>	<u>SAND WET</u>			<u>280</u>	<u>300</u>	<u>SHALE</u>					
<u>60</u>	<u>80</u>	<u>SHALE</u>			<u>180</u>	<u>200</u>	<u>SANDY SHALE</u>			<u>300</u>	<u>320</u>	<u>SANDY SHALE</u>					
REMARKS -					REMARKS -					REMARKS -							
										<u>Drilled 320</u>							
										<u>Logged 309</u>							
										<u>Total Depth 314</u>							

SIGNED: Toolpusher _____

Company Supervisor B