

953

#28 30-039-07428
#75 30-039-20108

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 17 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #28, #75

cps 1120w

Elevation 6589' Completion Date 9/8/77 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. 97'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 38 SACKS

Depths anodes placed: 270', 260', 250', 230', 220', 210', 200', 165', 155', 145'

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

Vent pipe perforations: 200'

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). ☐

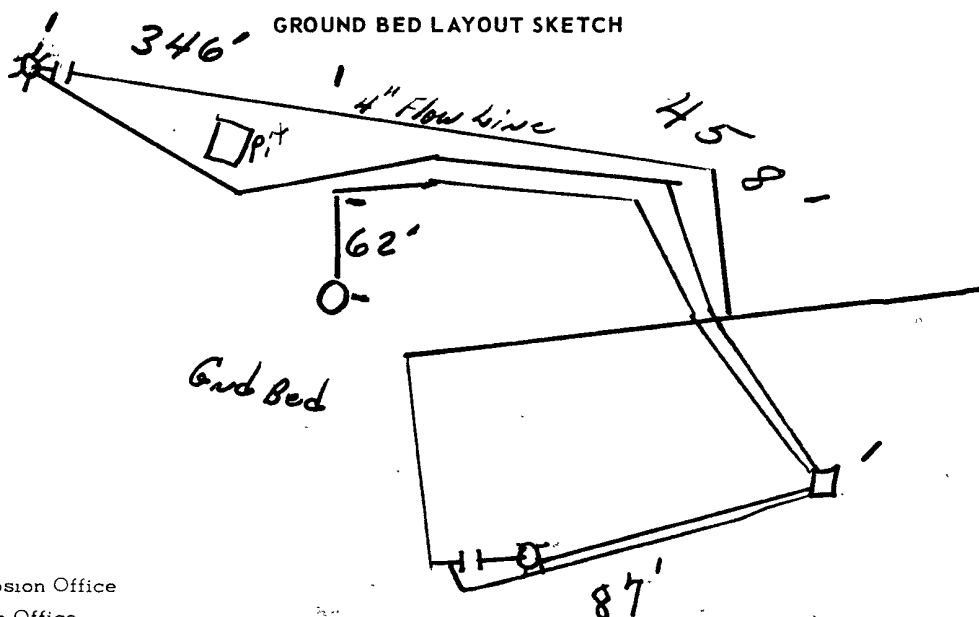
Completion Date 9-8-77

Well Name SAN JUAN 28-5 UNIT #28		Location NE 17-28-5		CPS No. 1120W	
Type & Size Bit Used 6 3/4"		Work Order No. #28 = 53464.19 #75 = 54555.19			
Anode Hole Depth 320 Logged - 314	Total Drilling Rig Time	Total Lbs. Coke Used 38	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	270	260	250	230	220
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	4.0	3.6	3.9	3.0	3.9
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 12.0	Amps 14.2	Ohms 0.85			

Remarks: Static #28 600' SW = 0.77, Static #75 600' SE = 0.68
DRILLER SAID MAKING WATER between 97' & 119'. DRILLED to 120' next AM.
blew water. STARTED Inj. @ 120'. PERFORATED 200' of 1" PVC vent Pipe
Installed 280' of 1" PVC vent Pipe. SLURRED 38 SACKS OF COKE.
#28 MARKED 1 notch #75 MARKED 3 notches
Installed 60V 30A Rectifier & stub Pole

All Construction Completed

W. Z. Lutz
(Signature)



DISTRIBUTION:

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

65891

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

270
145
150

SAN JUAN 28-5 Unit # 28

53464.19

SAN JUAN 28-5 Unit # 75

NE17-28-5 1120W

54555.19

Static # 28 600' SW = 0.77
Static # 75 600' SW = 0.68

DRILLER SAID MAKING WATER between
77' & 119'. DRILLED to 120'. Next A.M.
Blew water. Started Inj. @ 120'
Perforated 200' of 1" PVC vent pipe
Installed 280' of 1" PVC vent pipe
Slurried 38 sacks of colce

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

1 20 1.8	20 2.0 ①
2.6	1.7
30 2.9	50 1.4
3.0	1.3
40 3.0	20 1.3
2.9 ⑩	1.4
50 3.0	3 00 1.2
2.8 ⑨	1.3
60 2.5	10 1.2
2.0 ⑧	3 14 + D
70 1.6	20
1.4	
80 .9	
.4	
90 .3	

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

200 1.8 ⑦	① 270	2.3	4.0
1.9	② 260	2.2	3.6
10 1.8 ⑥	③ 250	2.3	3.9
2.1	④ 230	1.8	3.0
20 2.3 ⑤	⑤ 220	2.5	3.9
1.8	⑥ 210	2.1	3.4
30 1.7 ④	⑦ 200	2.1	3.2
.9	⑧ 165	2.1	3.6
40 .4	⑨ 155	3.3	5.3
.7	⑩ 145	3.6	5.7
50 2.1 ③			
2.2			
60 1.8 ②	14.2	Amps	
1.7	12.0	Volts	
	0.85	Ohms	

LEASE					WELL NO. <u>1120W</u> CONTRACTOR <u>Posey</u>					RIG NO.					REPORT NO.					DATE <u>9-8-77</u> 19									
MORNING										DAYLIGHT										EVENING									
Driller					Total Men In Crew					Driller <u>Albert L. Posey</u>					Total Men In Crew <u>4</u>					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.	FROM	TO	FORMATION	WT-BIT	R.P.M.										
					<u>T.D. 317</u>																								
BIT NO.					NO. DC SIZE LENG.					BIT NO.					NO. DC SIZE LENG.					BIT NO.					NO. DC SIZE LENG.				
SEF NO.					STANDS					SERIAL NO.					STANDS					SERIAL NO.					STANDS				
SIZE					SINGLES					SIZE <u>6 3/4</u>					SINGLES					SIZE					SINGLES				
TYPE					DOWN ON KELLY					TYPE <u>Rock</u>					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	5	<u>surface</u>								119	130	<u>shale</u>								235	245	<u>shale</u>							
5	15	<u>Silty Clay</u>								130	156	<u>sandy shale</u>								245	250	<u>sandstone</u>							
15	35	<u>shale</u>								156	169	<u>shale</u>								250	285	<u>shale</u>							
35	75	<u>sandstone</u>								169	179	<u>sandy shale</u>								285	290	<u>Red shale</u>							
75	97	<u>shale</u>								179	223	<u>shale</u>								290	295	<u>shale</u>							
97	119									223	235	<u>sandy shale</u>								295	300	<u>sandstone</u>							
REMARKS -										REMARKS -										REMARKS -									
										<u>Drilled 320 ft</u>										<u>300-320 shale sandy</u>									
										<u>Logged 314</u>										<u>injected 125 ft</u>									
										<u>Total Depth 317</u>																			
										<u>Making Water 97-119 ft</u>																			

SIGNED: Toolpusher

Company Supervisor