

9 - 30-039-07307
66- 30-039-07295

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. 29 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #9, #66

cps 730w

Elevation 6571' Completion Date 9/6/77 Total Depth 390' 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. 60' - 80'

Depths gas encountered: N/A

Type & amount of coke breeze used: 33 SACKS

Depths anodes placed: 260', 250', 240', 220', 210', 200', 190', 155', 145', 135'

Depths vent pipes placed: 265' OF 1" VENT PIPE

Vent pipe perforations: 240'

Remarks: qb #2

RECEIVED

MAY 31 1991

OIL CON. D"

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.

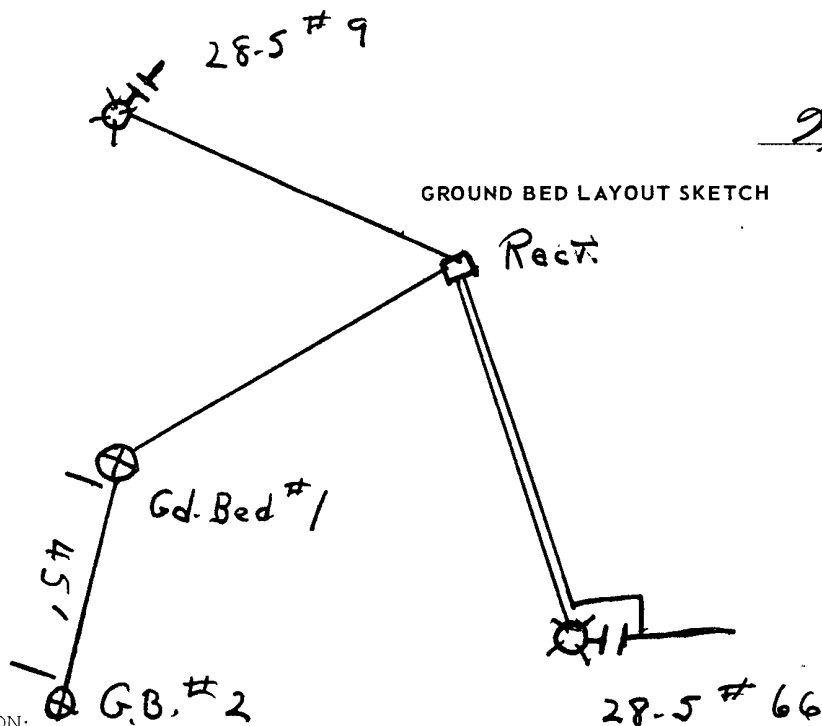
WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-6-77

Well Name <u>5J 28.5 #9</u> <u>5J 28.5 #66</u>		Location <u>SW 29-28-5</u>		CPS No. <u>730W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>52634.19-50-20</u> <u>184-54295.19-50-2</u>	
Anode Hole Depth <u>390</u> <u>1099ed 385</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>33 Sacks</u>	
Anode Depth		Lost Circulation Mat'l Used		No. Sacks Mud Used	
# 1 <u>260</u>	# 2 <u>250</u>	# 3 <u>240</u>	# 4 <u>220</u>	# 5 <u>210</u>	# 6 <u>200</u>
# 7 <u>190</u>	# 8 <u>155</u>	# 9 <u>145</u>	# 10 <u>135</u>		
Anode Output (Amps)					
# 1 <u>3.9</u>	# 2 <u>2.8</u>	# 3 <u>2.9</u>	# 4 <u>3.8</u>	# 5 <u>4.5</u>	# 6 <u>3.6</u>
# 7 <u>2.9</u>	# 8 <u>2.9</u>	# 9 <u>3.5</u>	# 10 <u>4.1</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts <u>11.7</u>	Amps <u>13.3</u>	Ohms <u>.88</u>		No. 2 C.P. Cable Used	

Remarks: DRILLER said MAKING WATER 60' TO 80'
INSTALLED 265' 1" VENT PIPE, PERFORATED 240' of VENT PIPE
SLURRIED 33 SACKS COKE
5 ANODE BED PLUS 5 additional ANODES



All Construction Completed

Willis Knight Jr.
(Signature)

DISTRIBUTION:

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

*Not an
Contract
The*

DAILY DRILLING REPORT

LEASE			WELL NO. 730W			CONTRACTOR POSEY			RIG NO.			REPORT NO.			DATE 9/6			1977		
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. 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 -										
0-4 SURFACE					150-160 SANDY SHALE					280-290 SHALE										
4-15 CLAY					160-180 SHALE					LOG 285 TO 287										
15-40 SAND STONE					180-190 SANDY SHALE															
40-60 SHALE					190-200 SAND STONE															
60-80 SAND WET (MAKING WATER)					200-220 SHALE															
80-100 SHALE					220-240 SANDY SHALE															
100-130 SANDY SHALE					240-260 SHALE															
130-150 SHALE					260-280 SANDY SHALE															

SIGNED: Toolpusher

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

SAN JUAN 28-5# 9
 SAN JUAN 28-5# 66
 SW 29- 28-5
 CPS 730 W

W/O 184-526341-19-50-20
 W/O 184-5429519-50-20

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

5 ANODE Bed WITH 5 ADDITIONAL ANODES				DRILLER SAID MAKING WATER AT 60' TO 80' INSTALLED 265 1" VENT PIPE PERFORATED 240 OF VENT PIPE 33 SACKS COKE			
60	1.4		2.0				
	1.2	20	1.3 ④				
70	.9		.8				
	.8	30	.9				
80	1.3		1.3				
	1.4	40	1.6 ③				
90	.8		1.2				
	.7	50	1.3 ②				
100	.6		1.6				
	1.0	60	1.9 ①				
10	1.8		2.1				
	.8	70	1.8				
20	1.4		1.7				
	2.3	80	1.4				
30	1.9		logged 285				
	1.8 ⑩	90	TD 290				
40	2.2	300					
	1.6 ⑨						
50	1.7	10					
	1.7 ⑧						
60	1.0	20		① 260	2.6	3.9	
	.8			② 250	1.7	2.8	
70	.8	30		③ 240	1.9	2.9	
	.4			④ 220	2.4	3.8	
80	1.0	40		⑤ 210	2.9	4.5	
	1.0			⑥ 200	2.3	3.6	
90	1.4 ⑦	50		⑦ 190	1.6	2.9	
	1.6			⑧ 155	1.9	2.9	
200	2.0 ⑥	60		⑨ 145	1.8	3.5	
	2.2			⑩ 135	2.4	4.1	
10	2.3 ⑤						
				11.7 VOLTS 13.3 AMPS .88 Ohms			