

#108 30-039-06989
#195 30-039-20713

CPS 733

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator Union Oil Company of California Location: Unit Sec. 19 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #108 MV/DK Rincon #195 PC

Elevation 6498' Completion Date 10/20/65 Total Depth 340' Land Type* F

Casing, Sizes, Types & Depths None

If Casing is cemented, show amounts & types used None

If Cement or Bentonite Plugs have been placed, show depths & amounts used
None

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 70' - 90' deep 20' thick

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 3600 lbs

Depths anodes placed: 100' to 316'

Depths vent pipes placed: 110'

Vent pipe perforations: NA

Remarks: El Paso Natural Gas Co. was the operator at the time this ground bed was installed.

GB1, GB2, GB3 First ground bed installed at this location.

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

50

4 3/4" Diag Bit #2 = 90'

Date 10-20-65

Well Name Rincon #108			CPS No. 733W		
Location NE 1/4 19-27-6			Work Order No. 184-20538-50-20		
Anode Hole Depth 340'	Total Drilling Rig Time 33 Hrs	Type & Size Bit Used 57042X - 100'	No. Sacks Mud Used 0		
No. Sacks Lost Circulation Mat'l Used 0	Anode Depth #1 316'	#2 310'	#3 304'	#4 196'	#5 183'
Total Lbs. Coke Used 3600 165	Anode Output (Volts) #1 3.0	#2 3.0	#3 3.1	#4 2.0	#5 2.5
Total Circuit Resistance Volts 11.6	Amps 8	Ohms 1.46	No. Ft. Surface Cable Conduit 333' #8 Stranded		

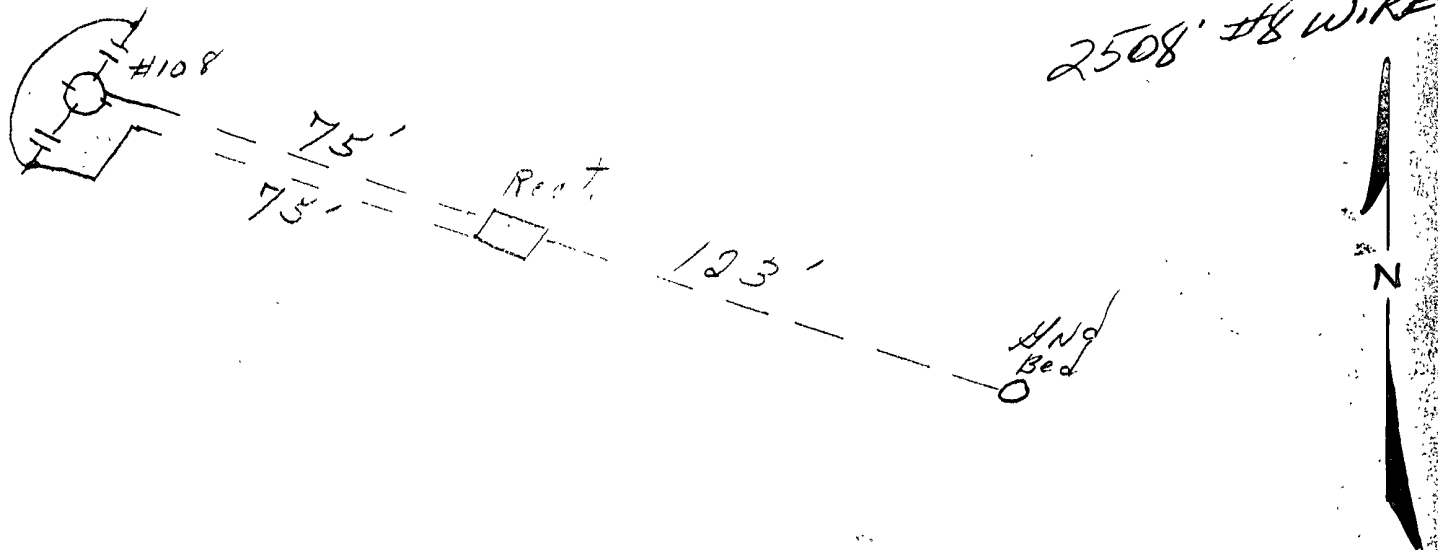
Drilling Log (Attach Hereto). ☐

Remarks: Static #108 = .72 600' North
Installed 28V 12A Goodall Rect. 2 Nos Serial # 611693
110' - 1/2" Plastic Hose
2175' Cable #8 Stranded in Shed Bed.

All Construction Completed

E. W. Phelps
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

Form 22-2 (Rev. 1-61) *WM #2 = 90*

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE _____ WELL NO. *733-W* CONTRACTOR *L.E. Wilson* RIG NO. *D-6* REPORT NO. _____ DATE *10-13-1965*

MORNING						DAYLIGHT						EVENING					
Driller <i>Dennis</i>		Total Men In Crew <i>2</i>				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.	
<i>0</i>	<i>70</i>	<i>Sandstone</i>				<i>135</i>	<i>150</i>	<i>Shale</i>				<i>200</i>	<i>210</i>	<i>Sandy Shale</i>			
<i>70</i>	<i>90</i>	<i>Wet Sand</i>				<i>150</i>	<i>185</i>	<i>Sandstone</i>				<i>210</i>	<i>325</i>	<i>Sand</i>			
<i>90</i>	<i>120</i>	<i>Shale</i>				<i>185</i>	<i>190</i>	<i>Bentonite</i>				<i>305</i>	<i>340</i>	<i>Shale</i>			
<i>120</i>	<i>135</i>	<i>Sandstone</i>				<i>170</i>	<i>200</i>	<i>Shale</i>									

BIT NO. <i>841471X</i>		NO. DC _____ SIZE _____ LENG. _____		SERIAL NO. _____		SIZE _____		TYPE _____		MAKE <i>240'</i>	
		NO. DC _____ SIZE _____ LENG. _____				STANDS _____		SINGLES _____		DOWN ON KELLY _____	
										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 -
<i>10-13-65 - left lost loc. at 3:30 Moved to new loc. Drilled Meter Pole</i>		
<i>10-14-65 - Moved to Ground Red hole and drilled 70' with 4 3/4" bit rig at 6:00</i>		
<i>10-15-65 - left yard at 6:00 arrived rig 175 Drilled from 0' to 175' left rig</i>		
<i>10-17-65 - left yard at 6:00 arrived rig 175 Drilled from 175' to 325' left rig</i>		
<i>10-20-65 - left yard at 6:00 arrived rig 175 Drilled from 325' to 340' logged hole and left rig</i>		

SIGNED: Toolpusher _____ Company Supervisor _____

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator Union Oil Company of California Location: Unit Sec. 19 Twp. 27N Rng. 6W

Name of Well/Wells or Pipeline Serviced Rincon #108 MV Rincon #195 PC

Elevation 6498' Completion Date 11/16/77 Total Depth 460' Land Type* F

Casing, Sizes, Types & Depths None

If Casing is cemented, show amounts & types used None

If Cement or Bentonite Plugs have been placed, show depths & amounts used

None

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 85' to 100' deep 15' thick

245' - 263' deep 18' thick

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 6000 lbs

Depths anodes placed: 335' to 440'

Depths vent pipes placed: 441'

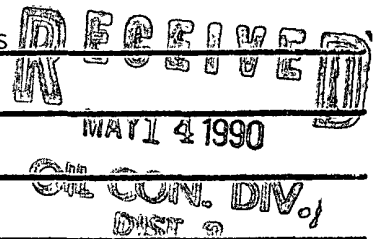
Vent pipe perforations: 400'

Remarks: El Paso Natural Gas Co. was the operator at the time this ground bed was installed.

Second ground bed installed at this location.

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.



RINCON UNIT #108
RINCON UNIT #195
NE 19-27-6
CPS 733W

W/O 184 - 53445.19 - 50-20
W/O 184 - 55506.21 - 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

NO JUNCTION BOX			DRILLER SAID HIT SOME MOISTURE AT 100', DRILLED TO 350 HIT WATER, WAITED 20 MIN BLEW WATER INSTALLED 441 OF 1" VENT PIPE PERFORATED 400 OF VENT PIPE STORRYED 60 SACKS OF COKE		
100	3				
10	1				
120	3				
30	4				
40	3				
50	4				
60	5				
70	9				
80	7				
90	6				
200	2				
10	2				
20	2				
30	2				
40	1.4				
50	8				
60	5				
70	4				
80	4				
90	4				
100	4				
110	4				
120	4				
130	4				
140	4				
150	4				
160	4				
170	4				
180	4				
190	4				
200	4				
210	4				
220	4				
230	4				
240	4				
250	4				
260	4				
270	4				
280	4				
290	4				
300	4				
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320	4				
330	4				
340	4				
350	4				
360	4				
370	4				
380	4				
390	4				
400	4				
410	4				
420	4				
430	4				
440	4				
450	4				
460	4				
470	4				
480	4				
490	4				
500	4				
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790	4				
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810	4				
820	4				
830	4				
840	4				
850	4				
860	4				
870	4				
880	4				
890	4				
900	4				
910	4				
920	4				
930	4				
940	4				
950	4				
960	4				
970	4				
980	4				
990	4				
1000	4				

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator Union Oil Company of California Location: Unit Sec. 19 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #108 MV Rincon #195 PC

Elevation 6498' Completion Date 11/21/77 Total Depth 440' Land Type* F

Casing, Sizes, Types & Depths None

If Casing is cemented, show amounts & types used None

If Cement or Bentonite Plugs have been placed, show depths & amounts used
None

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 85' to 100' 15' thick

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 6000 lbs

Depths anodes placed: 250' to 405'

Depths vent pipes placed: 410'

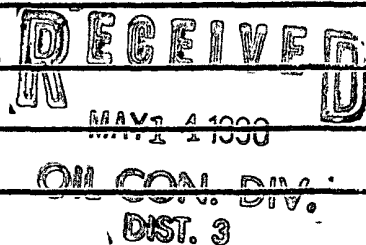
Vent pipe perforations: 390'

Remarks: El Paso Natural Gas Co. was the operator at the time this ground bed was installed.

Third ground bed installed at this location.

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.

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If Federal or Indian, add Lease Number.



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 11-28-77

Well Name Rincon UNIT #108 #195		Location NE19-27-6		CPS No. 733 W	
Type & Size Bit Used 6 3/4"		Work Order No. 53445.19 184 - 55506.21			
Anode Hole Depth 460 logged 443	Total Drilling Pig Time	Total Lbs. Coke Used 120 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 410'	# 2 400	# 3 360	# 4 350	# 5 340	# 6 350
# 7 340	# 8 330	# 9 320	# 10 310		
Anode Output (Amps)					
# 1 3.4	# 2 3.7	# 3 2.4	# 4 2.7	# 5 3.2	# 6 2.2
# 7 3.2	# 8 3.0	# 9 2.7	# 10 2.7		
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 #2- 8.1 #3- 11.5		#2- 1.4		No. 8 C.P. Cable Used	
Volts 3- 11.7		Amps 3- 7.8		Ohms 3- 1.5	
				No. 2 C.P. Cable Used	

#2 G.B.
Remarks: DRILLER SAID HIT MOISTURE AT 100', DRILLED TO 350' HIT WATER, WAITED 20 MIN.
Blew WATER. INSTALLED 441' OF 1" VENT PIPE, PERFORATED 400' OF VENT PIPE, SLURRIED
60 SACKS OF COKE.

#3 G.B.
DRILLER SAID HIT WET SAND AT 100', DRILLED TO 300' SUNDAY, MONDAY AM. BLEW WATER
INSTALLED 410' OF 1" VENT PIPE, PERFORATED 390' OF VENT PIPE. SLURRIED 60 SACK OF COKE
ANODES 1 THRU 5 IN #2 G.B. SOUTH OF #1 G.B., 6 THRU 10 ARE IN #3 G.B. NORTH OF #1 G.B.

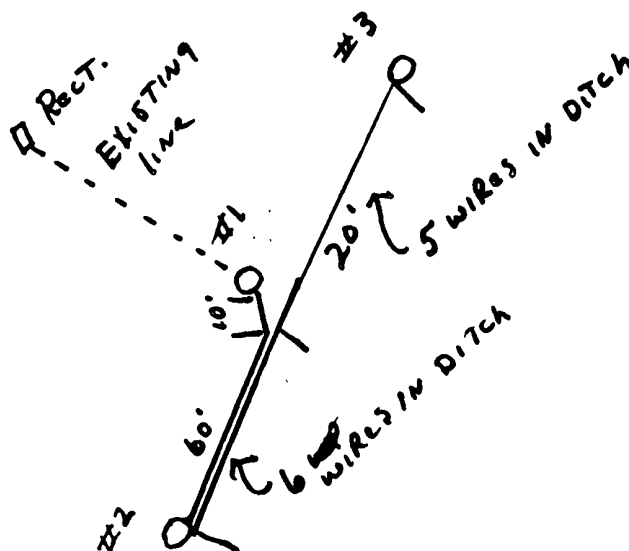
5 ANODE BED + 5 EXTRA ANODES

All Construction Completed

NO T BOX

William Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

3 C.B

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: _____ of _____
Date: 11-21-77
By: _____
File: _____RINCON UNIT #108
RINCON UNIT #195
N.E. 19-27-6
C.P.S. 22300

W/O 184-53445.19-50-20

W/O 184-55506.21-50-20

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

NO J. Box at this Gnd. Bed		DRILLER SAW HIT WET SAND AT 100' DRILLED TO 300' SAT, Monday AND BLEW WATER. INSTALLED 410 of 1" VENT PIPE PERFORATED 390 of VENT PIPE	
230		320	1.6
			1.6
40		90	1.8
			1.1
50	.6	400	.8
			.8
60	.5	10	1099' 413'
	.5		TO 440'
70	.4	20	
	.4		
80	.4	30	
	.4		
90	.4	40	
	.5		
300	1.3		
	1.4		
10	1.4 ⑩		
	1.2		
20	1.1 ⑨		
	1.6		
30	1.5 ⑧		
	1.6		
40	1.2 ⑦		
	1.1		
50	1.1 ⑥		
	1.0		
60	1.0		
	.9		
70	.9		
	.7		
		⑥ 350	1.2 22
		⑦ 340	1.6 32
		⑧ 330	1.7 30
		⑨ 320	1.5 27
		⑩ 310	1.5 27
			11.7 VOLTS
			7.8 AMPS
			1.5 ohm