

114 - 30-039-06972

170 - 30-039-06945

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. 20 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon 114 PC, Rincon #170 DK and
Rincon #8 MV

Elevation 6513' Completion Date Total Depth 580 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. 260' deep 20' thick

RECEIVED
MAY 09 1990

Depths gas encountered: NA OIL CON. DIV.
DIST. 2

Type & amount of coke breeze used: Type unknown ~8600 lbs

Depths anodes placed: 335'-560'

Depths vent pipes placed: 560'

Vent pipe perforations: 420'

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

Second ground bed installed on 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

Note — Redrill From 1970 Contract By CPS

Drilling Log (Attach Hereto). ☐

Completion Date 12-6-71

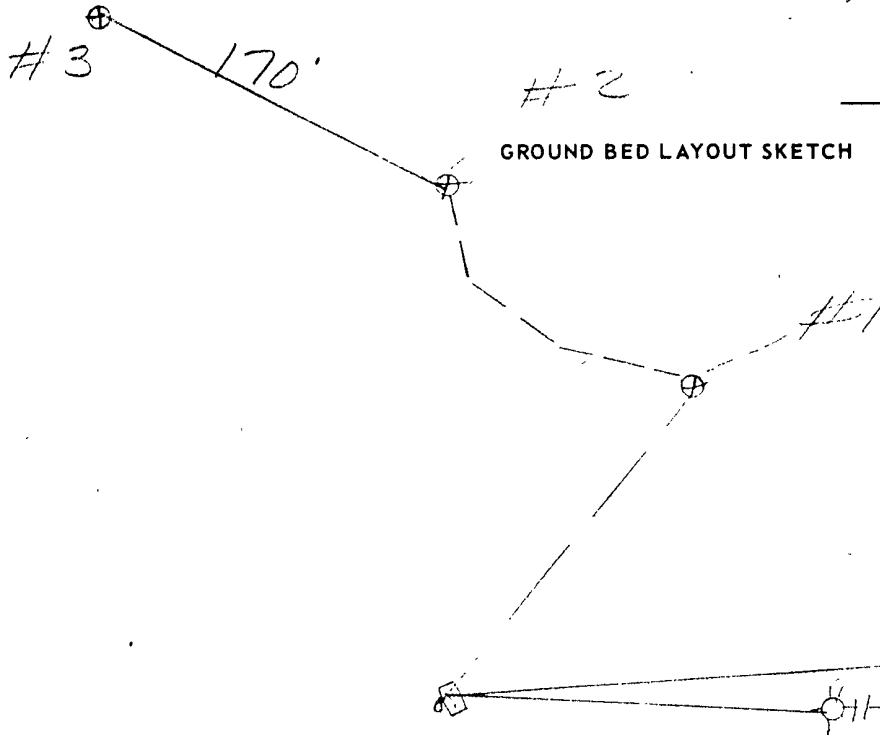
Well Name K. W. CO. #8, #114 & 170		Location SW 20-27-6		CPS No. 691 W	
Type & Size Bit Used 6-3/4				Work Order No. Re-Drill From 1970	
Anode Hole Depth 600-542	Total Drilling Rig Time		Total Lbs. Coke Used 8600	Lost Circulation Mat'l Used	
No. Sacks Mud Used					
Anode Depth	#1 545	#2 500	#3 490	#4 482	#5 474
Anode Output (Amps)	#1 3.3	#2 1.88	#3 2.1	#4 2.1	#5 2.7
Anode Depth	#11 305	#12 297	#13	#14	#15
Anode Output (Amps)	#11 2.0	#12 3.0	#13	#14	#15
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.5		Amps 11.0		Ohms 1.0	

Remarks: Driller said wet at 240-270 inject to 435, Change to Mud.
Went to Nail Anode, Perforated 365'
Pump 350 shovels - act 50 bags cement -
Slurry 50 shovels - 7 bags out of water -
Coke is above anodes -
12-7-71 - Slurry 292 bags

All Construction Completed

Doorels
(Signature)

GROUND BED LAYOUT SKETCH



WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Legend

Drilling Log (Attach Hereto). ☐

NO 2 GND BED
Contract By GPS

Completion Date 7-11-70

Well Name Lincoln #8, #114 & 170		Location SW 20-27-6		CPS No. 691 W	
Type & Size Bit Used 6 3/4				Work Order No. 20046 184-53452-50-20 54241	
Anode Hole Depth 580	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 560	#2 550	#3 495	#4 485	#5 475	#6 465
#7 440	#8 430	#9 420	#10 335		
Anode Output (Amps)					
#1 3.0	#2 3.0	#3 5.5	#4 5.5	#5 4.6	#6 4.6
#7 5.6	#8 5.6	#9 1.5	#10 2.2		
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 12.5	Amps 13.0	Ohms 0.96			

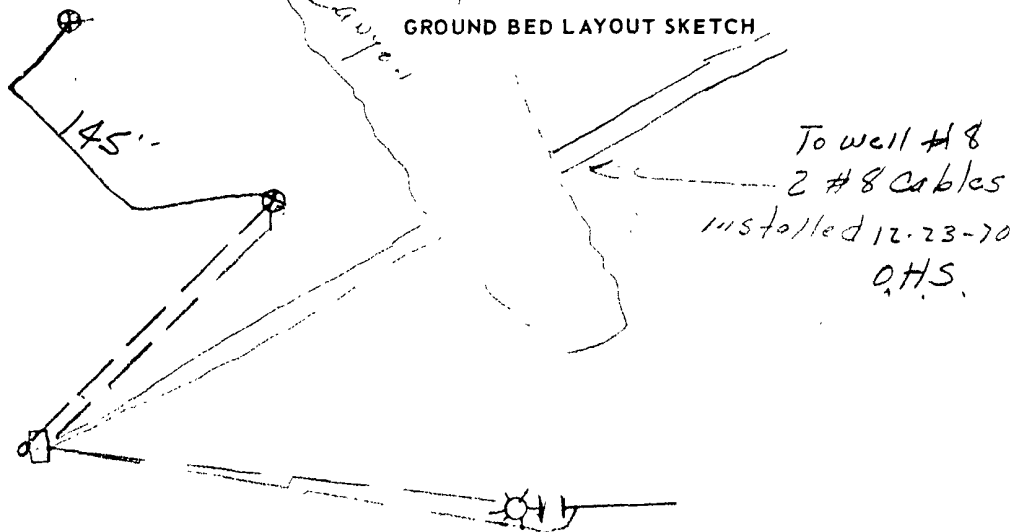
Remarks: Anodes 9 & 10 are single, all others Dual
Drill 280 with air - wet at 260'
Pump 54 Bags Slurry 18 - 7-11-70 (Fill Dry 26 - Total 98)
1" Hose attached to No. 1 anode - 420' Perforations

130

All Construction Completed

Forrester
(Signature)

GROUND BED LAYOUT SKETCH



N

TD 580 691W Meter Creep
Wet 260 - with air 280 420' perforations

MW	gas/mol
15	CL
30	CL
44	CL
58	CL
72	CL
86	CL
100	CL
114	CL
128	CL
142	CL

250	78	30	1.78	Pump 54.5ks								
	54		1.40									
60	53	40	2.30									
	53		1.25									
70	52	50	1.20									
	52		95									
80	65	60	94									
	83		1.50									
90	77	70	1.90									
	82		1.97									
300	63	80	1.75									
	71		2.00									
10	66	90	2.10									
	69		1.40									
20	64	50	1.10									
	63		1.03									
30	83	10	1.00									
	1.60		95									
90	1.56	20	95									
	1.34		96									
50	89	30	88									
	80		96									
60	72	40	1.00									
	85		1.02									
70	95	50	1.40									
	1.05		1.39									
80	98	60	1.05									
	1.02											
90	1.10	70										
	1.00											
400	90	80										
	1.02											
10	1.05	90										
	1.05											
10	1.45	100										
	1.95											

54
18
26
98

10 33.5 } 1.4 2.0
9 42.0 } .8 1.45
8 43.0 } 2.9 4.2
7 44.0 }
6 46.5 } 2.2 3.4
5 47.5 }
4 48.5 } 2.75 4.2
3 49.5 }
2 55.0 } 1.55 - 2.50
1 56.0 }

11.5 V
10.2 A
1.12 ~

54
18
26
94

10 33.5 } 1.4 2.0
9 42.0 } .8 1.45
8 43.0 } 2.9 4.2
7 44.0 }
6 46.5 } 2.2 3.4
5 47.5 }
4 48.5 } 2.75 4.2
3 49.5 }
2 55.0 } 1.55 - 2.50
1 56.0 }

11.5 V

10.2 A

1.12 ~

MW	gas/mol
15	CL
30	CL
44	CL
58	CL
72	CL
86	CL
100	CL
114	CL
128	CL
142	CL

WELL TYPE GROUND BED DATA

DATA SHEET NO. 1052

COMPANY EL Paso North Gas Co JOB NO. 5664 DATE: 7/27/70
 WELL: PRINCE #8 MV & 114 PC & 170 PIPELINE: CPS # 691-W
 LOCATION: SEC. 20 TWP. 27 RGE. 6 CO. RIO ARRIBE STATE N. Mex
 ELEV. FT: ROTARY 580' FT: CABLE TOOL ✓ FT: CASING FT.
 GROUND BED: DEPTH 580' FT. DIA. 6 3/4 IN. GAB LBS. ANODES 10-CDD-0-51

DEPTH, FT.	DRILLER'S LOG	DRILL PIPE TO STRUCTURE			EXPLORING ANODE TO STRUCTURE			DEPTH, TOP OF ANODES
		E	I	R	E	I	R	
5	SURFACE SOIL (0-7')							
10	SANDSTONE (7-70)							
20								
30								
40								
50								
60								
70	SANDY SHALE (70-84)							
80								
90	SANDSTONE w/ shale stringers (84-155)							
100								
110								
120								
130								
140								
150								
160	SHALE (155-171)							
170								
180	SANDSTONE (171-202)							
190								
200								
210								
220								
230	SANDY SHALE (202-218)							
240								

GROUND BED RESISTANCE: (1) VOLTS + AMPS = OHMS(2) MICROGROUND OHMS

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HOUSTON TEXAS



WELL TYPE GROUNDBED DATA

DATA SHEET NO. _____

COMPANY _____ JOB No. _____ DATE: _____

WELL: _____ PIPELINE: _____

LOCATION: SEC. _____ TWP. _____ RGE. _____ CO. _____ STATE _____

ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL _____ FT: CASING _____ FT.

GROUNDBED: DEPTH _____ FT. DIA. _____ IN. GAB _____ LBS. ANODES _____

DEPTH, FT.	DRILLER'S LOG	DRILL PIPE TO STRUCTURE			EXPLORING ANODE TO STRUCTURE			DEPTH, TOP OF ANODES
		E	I	R	E	I	R	
20	SANDSTONE (218-250)							
30								
40								
50	SANDSTONE (252-295)				12.0	.78		
60	SANDSTONE (297-335) WATER - 260					.54		
70						.53		
80						.53		
90						.52		
100						.52		
110						.65		
120						.83		
130						.72		
140						.81		
150						.63		
160						.71		
170						.66		
180						.69		
190						.64		
200						.65		
210						.83		
220						1.60		335
230						1.36		
240						1.31		
250						.89		
260						.80		
270						.72		
280						.85		
290						.95		
300						1.05		
310						.98		
320						1.02		
330						1.10		
340						1.00		
350						.94		
360						1.02		
370						1.05		
380						1.05		
390						1.45		420
400						1.95		
410						1.80		430

GROUNDBED RESISTANCE: (1) VOLTS _____ - AMPS _____ = _____ OHMS

(2) VIBROGROUND _____ OHMS



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DATA SHEET NO.

[illegible]

GROUND BED RESISTANCE: (1) VOLTS 12.5 - AMPS 13.0 = 0.96 OHMS

(2) VIBROGROUND _____ OHMS



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HOUSTON TEXAS

DAILY DRILLING REPORT

LEASE Pinson WELL NO. 170 CONTRACTOR Morison RIG NO. REPORT NO. DATE 12-6 1971

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.
0	240	dry sand stone			435	460	sand							
240	270	water sand			460	490	sandy shale							
270	415	sand			490	535	sand							
415	435	sandy shale			535	562	sandy shale							

BIT NO. _____		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 -

SIGNED: Toolpusher

Joe Morrison

Company Supervisor