

#88 PC/MV 30-039-07065
#167 DK 30-039-07085

CPS /12

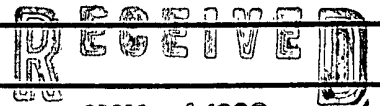
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator Union Oil Company of California Location: Unit Sec. 13 Twp 27N Rng 7W

Name of Well/Wells or Pipeline Serviced Rincon #88 PC/MV Rincon #167 DK

Elevation 6659' Completion Date 10/1/1965 Total Depth 540' Land Type* F

Casing, Sizes, Types & Depths None



If Casing is cemented, show amounts & types used None

OIL CON. DIV.]

DIST. 3

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. 50'-70' 20' thick 200'-260' 60' thick

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 8855 lbs

Depths anodes placed: 460' - 508'

Depths vent pipes placed: 460'

Vent pipe perforations: ?

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

GB #1 + GB #2

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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Item

#29

Date 10-1-65
~~7/27~~

Well Name Rincon No. 88 & #167				CPS No. 712W			
Location NE 13-27-7				Work Order No. 53155 & 54242			
Anode Hole Depth 540		Total Drilling Rig Time 52 Hrs.		Type & Size Bit Used 7 7/8-715279X=140-30010=140		No. Sacks Mud Used 6-50lb Bags	
No. Sacks Lost Circulation Mat'l Used 0		No. Sacks Cement 7-472		No. Sacks Grout 8-466		No. Sacks Sand 9-466	
Total Lbs. Coke Used 8855 lbs		Anode Output (Volts) 8.52		Anode Output (Amps) 8.40		Anode Output (Watts) 92.5	
Total Circuit Resistance 11.6		Volts 10.8		Amps 1.07		Ohms 1150'	
No. Ft. Surface Cable Conduit							

Drilling Log (Attach Hereto). ☐

Remarks: Static #167, 600'N = 1.62

Static # 88, 600' S = .70

✓ Install Good All Rectifier 30 V 20 A w/ 3 Neg. Circuits
(Add ✓ Four Pounds. Chemicals to GR) Serial No. 65C6674

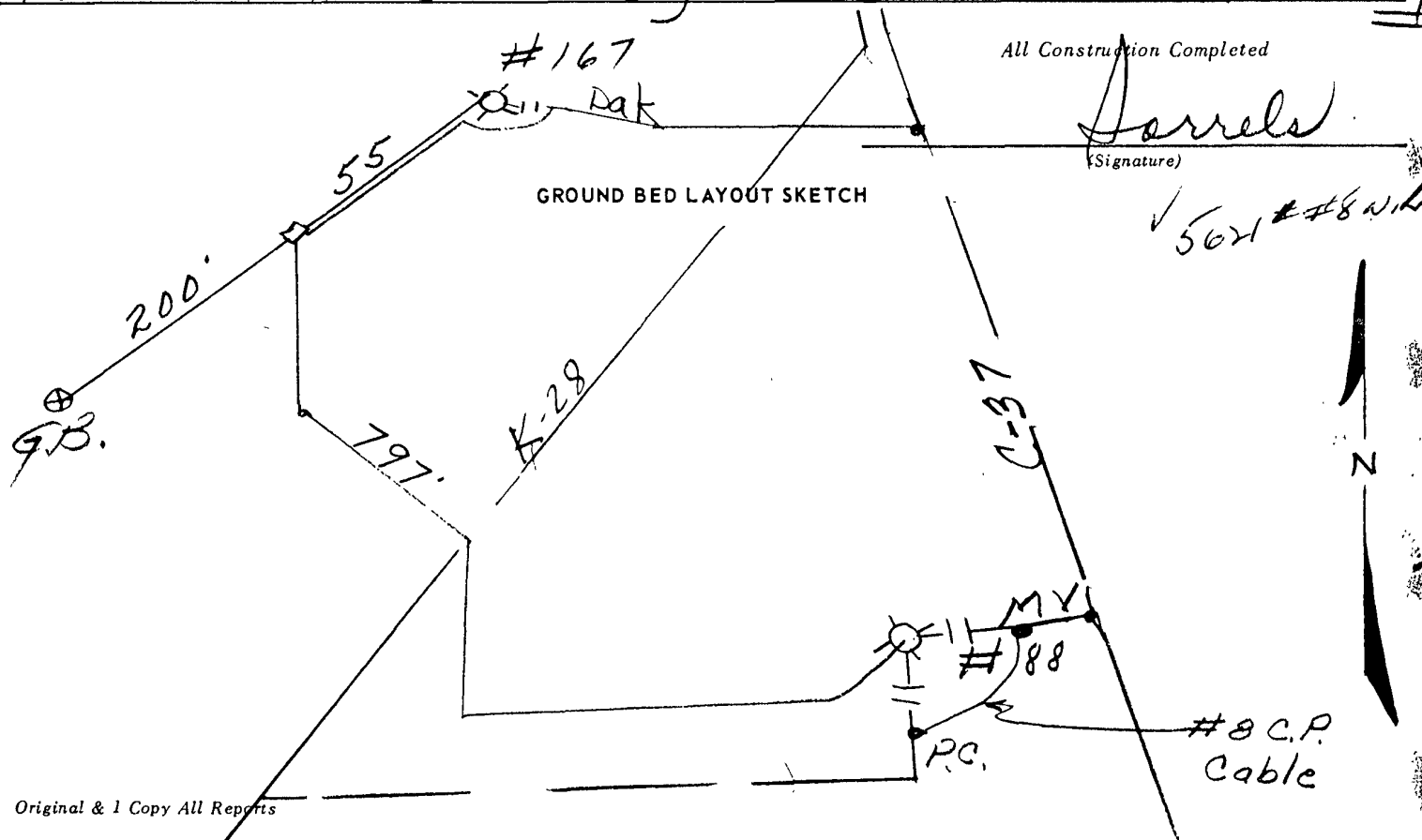
one notch 1 = cas. #167

Two Notch 11 = F.B. #167

Three Notches III = Cos # 88

3/4" Hose tied to Top Anode
470' used

Paronite wire used on Anode's only



DAILY DRILLING REPORT

LEASE _____ WELL NO. 120 CONTRACTOR J. E. Wilson RIG NO. 11-6 REPORT NO. _____ DATE 5-3-54 1954

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	50	Sand stone				260	440	Sand									
50	70	Water sand															
70	200	Sand stone															
200	260	Water sand															
BIT NO. 7152TIX		NO. DC		SIZE	LENG.	BIT NO. Cont P-1		NO. DC		SIZE	LENG.	BIT NO. 693741		NO. DC		SIZE	LENG.
SERIAL NO.		NO. DC		SIZE	LENG.	SERIAL NO. (30010)		NO. DC		SIZE	LENG.	SERIAL NO.		NO. DC		SIZE	LENG.
SIZE		STANDS				SIZE		STANDS				SIZE		STANDS			
TYPE		SINGLES				TYPE		SINGLES				TYPE		SINGLES			
MAKE		DOWN ON KELLY				MAKE		DOWN ON KELLY				MAKE		DOWN ON KELLY			
140'		TOTAL DEPTH				140'		TOTAL DEPTH				160		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.			
			2 Mud														
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN			
REMARKS-						REMARKS-						REMARKS-					
8-31-65 - left last loc, 11:00 moved to new loc, and drilled from 240' to 260' with 4 3/4" drilled 80' with 7" left rig at 5:00						8-31-65 - left last loc, 11:00 moved to new loc, and drilled from 240' to 260' with 4 3/4" drilled 80' with 7" left rig at 5:00						8-31-65 - left last loc, 11:00 moved to new loc, and drilled from 240' to 260' with 4 3/4" drilled 80' with 7" left rig at 5:00					
9-1-65 - left yard at 6:00 arrived rig 7:45 drilled from 260' to 280' left rig at 9:00						9-1-65 - left yard at 6:00 arrived rig 7:45 drilled from 260' to 280' left rig at 9:00						9-1-65 - left yard at 6:00 arrived rig 7:45 drilled from 260' to 280' left rig at 9:00					
9-2-65 - left yard at 6:00 arrived rig 7:45 drilled from 280' to 300' left rig at 5:00						9-2-65 - left yard at 6:00 arrived rig 7:45 drilled from 280' to 300' left rig at 5:00						9-2-65 - left yard at 6:00 arrived rig 7:45 drilled from 280' to 300' left rig at 5:00					
9-3-65 - left yard at 6:00 arrived rig 7:45 drilled from 300' to 310' logged loc and drilled water hole hole left loc, 1:00						9-3-65 - left yard at 6:00 arrived rig 7:45 drilled from 300' to 310' logged loc and drilled water hole hole left loc, 1:00						9-3-65 - left yard at 6:00 arrived rig 7:45 drilled from 300' to 310' logged loc and drilled water hole hole left loc, 1:00					

SIGNED: Toolpusher

____ Company Supervisor

DAILY DRILLING REPORT

LEASE _____ WELL NO. 712W CONTRACTOR L.E. Wilson RIG NO. D-6 REPORT NO. _____ DATE _____ 19__

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.
<u>7:00</u>	<u>4:00</u>	<u>Sand</u>												
<u>7:00</u>	<u>5:00</u>	<u>Sand</u>												

IT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.
<u>4736-A</u>											
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.		Time	Wt.	Vis.			
			<u>mud</u>														

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS	REMARKS	REMARKS
<u>9-29-65</u>	<u>Left last job at 1:30</u>	<u>Moved to new log, and new drill pipe</u>
<u>9-30-65</u>	<u>to 380' wash. hole out to 740' left rig at 5:00</u>	
<u>10-1-65</u>	<u>left yard at 6:00 arrived rig at 7:45</u>	<u>to 380' wash. hole out to 740' and back</u>
<u>10-1-65</u>	<u>from 740' to 540' left rig at 5:00</u>	
<u>10-1-65</u>	<u>left yard at 6:00 arrived rig at 7:45</u>	<u>Clean out bridge at 380'</u>
<u>10-1-65</u>	<u>left job at 2:50</u>	
<u>10-1-65</u>	<u>Extra water used = 5 hrs</u>	

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. 13 Twp 27N Rng 6W

Name of Well/Wells or Pipeline Serviced Rincon #88PC/MV Rincon #167 DK

Elevation 6659' Completion Date 5/21/1974 Total Depth 640' 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. 240'

Depths gas encountered: NA

Type & amount of coke breeze used: type unknown 11,000 lbs

Depths anodes placed: 480-575

Depths vent pipes placed: ?

Vent pipe perforations: 350'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 5-21-74

Well Name Rincon # 88 & # 167		Location NE13-27-7		CPS No. 712 W	
Type & Size Bit Used 6 3/4				Work Order No. 53155 & 54242	
Anode Hole Depth 640	Total Drilling Rig Time	Total Lbs. Coke Used 11,000 EST.	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	575	565	555	540	530
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	2.8	3.0	2.9	2.8	3.6
Anode Depth	# 6	# 7	# 8	# 9	# 10
	520	510	500	490	480
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.1	3.1	3.1	3.2	2.8
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 10.8		Amps 10.5		Ohms 1.02
					No. 2 C.P. Cable Used 85

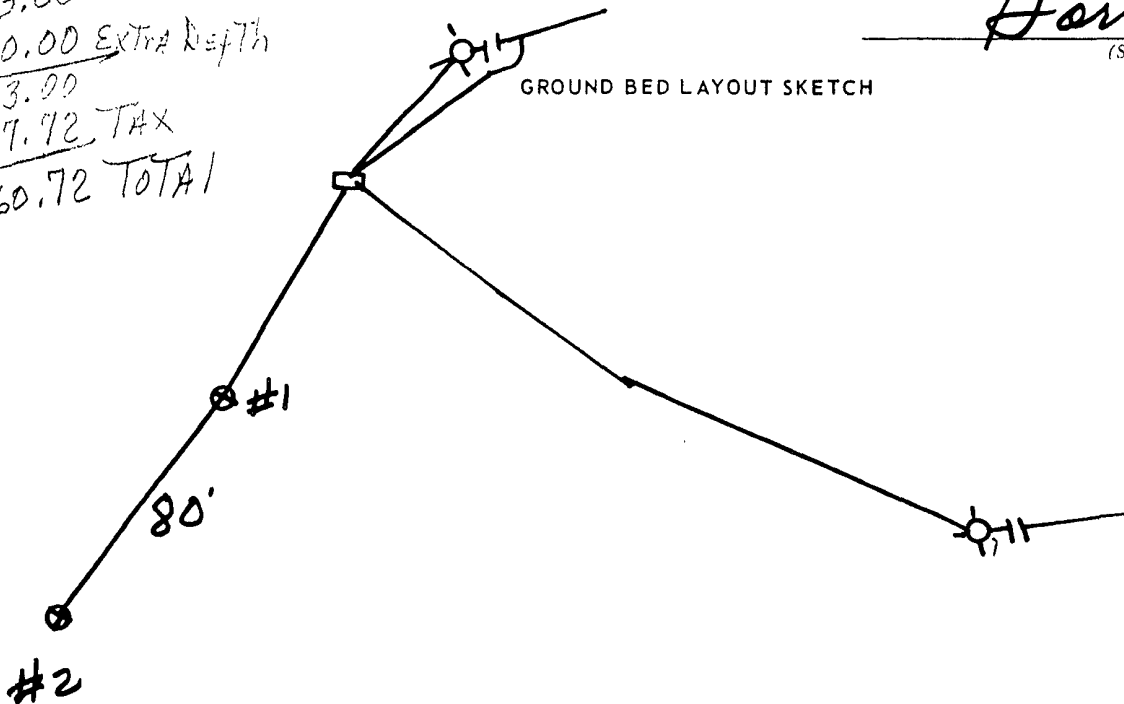
Remarks: Driller said wet at 240' Drilled to 500; water standing at 407' after 13 Hrs. Logged. Not Enough. Drilled to 640 water standing at 420 Next A.M. (18 Hrs) Vent Perforated 350' Pumped one load water, coke above anodes. Pump another load water Slurry to Surface

3,409.00
34.00 Cable
3,443.00
750.00 Extra Depth
4,193.00
167.72 TAX
4,360.72 TOTAL

All Construction Completed

Donels
(Signature)

GROUND BED LAYOUT SKETCH



N

712W X=11.7 5-20-74

MW	gas/mol
16	C ₂ 6.4
18	C ₂ 6.4
14	C ₂ 10.42
58	H ₂ 12.38
72	NO ₂ 11.91
72	NO ₂ 11.87
86	NO ₂ 11.71
86	NO ₂ 11.70
100	CO ₂ 17.2
114	C ₂ 17.46
114	C ₂ 17.38
114	C ₂ 17.34
42	C ₂ 9.67

40	6	40	5
50	4	30	4
	6		5
60	8		5
	1.4		6
70	1.3	50	5
	1.2		6
80	1.1		
	6		6
90	3		6
	2		6
50	3		1.2
	4		1.3
10	4		1.4
	3		1.5
20	2		1.3
	1.5		1.5
30	1	10	1.3
	3		1.1
40	3	20	1.2
	2		1.6
50	1	30	1.4
	5		1.4
60	3	40	1.2
	4		.8
70	5	50	.9
	3		1.3
80	3	60	1.4
	7		1.2
90	6	70	1.4
	9		1.2
40	6	80	.9
	5		5
10	3	90	.5
	5		5

Driller Said Wet
at 240'
Water Standing at 407'
after 13 Hrs
100 to 418
Full with water to 200
& Log to 205
Drilled to 640'

5-21-74

Water level at 420' (18 Hrs)
Complete log at 11:00 AM

Vent Perf. 350'

		log	wt	cks
1	575	1.2	1.2	2.8
2	565	1.2	1.3	3.0
3	555	1.3	1.3	2.9
4	540	1.2	1.3	2.8
5	530	1.4	1.4	3.6
6	520	1.2	1.2	3.1
7	510	1.3	1.3	3.1
8	500	1.3	1.4	3.1
9	490	1.4	1.4	3.2
10	480	1.2	1.2	2.8

600 .5
607 .5 TD
10
20

$$10.8 \vee 10.5A = 1.02 \sim$$

MW	MBC	gas/mol
44	CO ₂	9.38
14	H ₂	9.17
28	N ₂	4.16
2	H ₂	5.18

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GOLDEN, COLORADO 80401
PHONE (303) 278-9505

GENERAL OFFICE
14991 W. 44TH AVENUE
BAILEY OFFICE
CALL 1-838-4821

Drill C.P. - 690

Date 5-18-74
5-21-74

Owner _____

742-W C.P.S.

Location _____
City _____ State _____ County _____

[illegible]

Total Hours _____

Equipment Down Time _____

Hours Drilling _____

Driller _____

Helper _____

Helper _____

C.P.S. Time _____

S.W.W.D.I. Time _____

Total Footage _____

Approval of
C.P.S. Engineer _____