

57= 30-039-06732

46= 30-039-06738 plugged

**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. 1 Twp 26N Rng 7WName of Well/Wells or Pipeline Serviced Rincon #46 PC Rincon #57 DkElevation 6602' Completion Date 11-10-89 Total Depth 300' Land Type* FCasing, Sizes, Types & Depths NoneIf 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. Fresh water 80' to 120' Deep 40' Thick

Depths gas encountered: NAType & amount of coke breeze used: Carbo 60 plus mettallurgical 3500 lbsDepths anodes placed: 90' to 125'Depths vent pipes placed: 300'Vent pipe perforations: 80' to 300'Remarks: Unocal was the operator at the time this ground bed was installed.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.

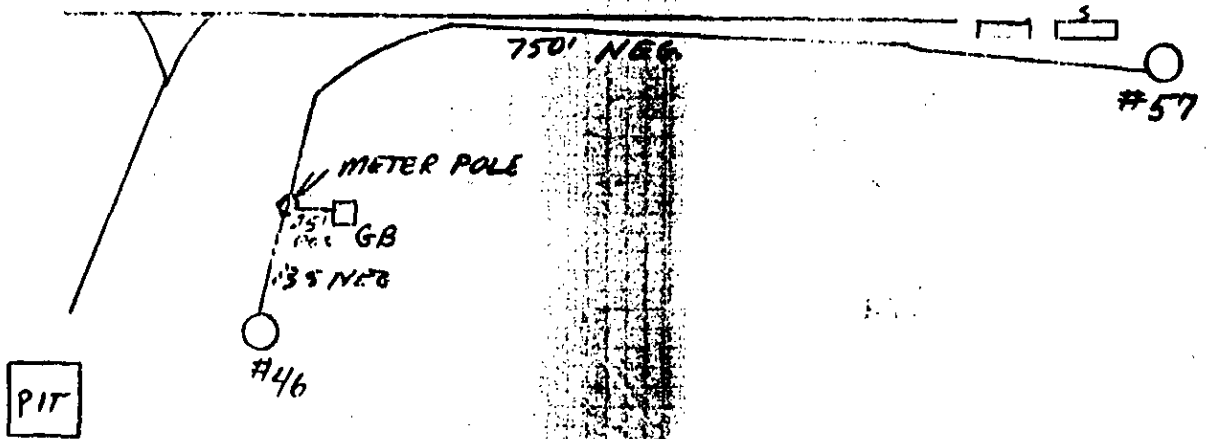
*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

RECEIVED

MAY 14 1990

OIL CON. DIV.

DIST. 3



POS. 25'
NEG. 135' - WELL #46
NEG. 750' - WELL #57

CPS

Cathodic Protection Services

A LUKENS COMPANY

RINCON UNIT #116
" " #57

DES. **CP**
DR. **JM**
SCALE **NONE**

CK.
APP.
DATE **12-11-89**

DWG. NO. REV.
00027-13

NO.

REVISION

DATE

COMPANY UNOCALJOB No. 00027 DATE: 11-10-89WELL: RINCON #46 57 PIPELINE:LOCATION: SEC. 1 TWP. 26 RGE. 7 CO. RED ARIZONA STATE UTAHELEV. _____ FT: ROTARY 300 FT: CABLE TOOL 0 FT: CASING 10 FT.GROUNDED: DEPTH 300 FT. DIA. 6 IN. JARS 3000 LBS. ANODES LIDA STRING

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	N				
	<u>First water 80-120</u>							
	<u>0-80 sand</u>							
<u>90</u>			<u>3.6</u>					
<u>5</u>			<u>3.5</u>					
<u>90</u>	<u>Top of LIDA ANODES</u>		<u>3.8</u>		<u>4.0</u>	<u>9.0</u>		<u>90</u>
<u>5</u>			<u>3.8</u>					
<u>100</u>			<u>3.8</u>					
<u>5</u>			<u>3.6</u>					
<u>10</u>			<u>3.7</u>					
<u>5</u>			<u>3.5</u>					
<u>20</u>			<u>3.6</u>					<u>125</u>
<u>5</u>			<u>3.4</u>					
<u>30</u>			<u>3.0</u>					
<u>5</u>			<u>2.1</u>					
<u>40</u>			<u>1.9</u>					
<u>5</u>			<u>1.8</u>					
<u>50</u>			<u>1.4</u>					
<u>5</u>			<u>1.0</u>					
<u>60</u>			<u>.7</u>					
<u>5</u>			<u>.9</u>					
<u>70</u>			<u>.7</u>					
<u>5</u>			<u>.8</u>					
<u>80</u>			<u>.9</u>					
<u>5</u>			<u>.8</u>					
<u>90</u>			<u>.7</u>					
<u>5</u>			<u>1.0</u>					
<u>200</u>			<u>1.1</u>					
<u>5</u>			<u>1.2</u>					
<u>10</u>			<u>1.0</u>					
<u>5</u>			<u>1.6</u>					
<u>20</u>			<u>1.4</u>					
<u>5</u>			<u>1.3</u>					
<u>30</u>			<u>1.0</u>					
<u>5</u>			<u>.9</u>					
<u>40</u>			<u>.6</u>					
<u>5</u>			<u>.5</u>					
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<u>60</u>			<u>.8</u>					
<u>5</u>			<u>1.0</u>					
<u>70</u>			<u>1.2</u>					
<u>5</u>			<u>1.0</u>					
<u>80</u>			<u>1.0</u>					

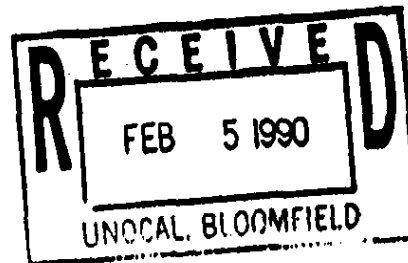
5 — 0.9
90 — 0.8
5 — 0.7
300 — 1.0

GROUNDED RESISTANCE. (1) VOLTS 12.0 - AMPS 9.0 - 1.22 OHMS

(2) VIRROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

Catholic Protection Services Company
P. O. Box 388
Farmington, New Mexico 87499
1608 Schofield Lane
Farmington, New Mexico 87401
(505) 325-1946



February 2, 1990

Unocal Corporation
3300 N. Butler, Suite 201
Farmington, NM 87401

Attention: Mr. Steve Gregory

Subject: Major Water Zones in Cathodic Protection Deep-Well Groundbeds

Dear Mr. Gregory:

Per your recent request for information concerning the cathodic protection deep-well groundbeds for your well casings in the San Juan Basin area, we are pleased to submit the following information.

Township & Range	Depths Ranging From Shallowest to Deepest	Average Depth	Average Thickness of Water Zone
T-25N - R-10W	110' - 140'	122.5'	20'
T-25N - R-11W	60' - 140'	93.3'	45'
T-26N - R-7W	80' - 150'	112.5'	30'
T-27N - R-7W	80' - 200'	123.3'	22.5'
T-27N - R-6W	80' - 200'	131.1'	30'

This data reflects information supplied by the drilling logs acquired at the time the wells were drilled. The depths shown are based on the type of sand which was being extruded from the drilled hole and the dampness of the sand.

The thickness of the water zones are determined by the change in the strata which was being drilled.

It has been a pleasure providing this information to your company. If you have any further questions or desire additional information, please do not hesitate to contact us.

Sincerely,

Catholic Protection Services Company


John Kerr, Corrosion Technician

cc: Mike Tabet

CPS
Catholic Protection Services
A LANTIER COMPANY