

**OCD CATHODIC PROTECTION DEEPWELL GROUND BED REPORT
DATA SHEET: NORTHWESTERN NEW MEXICO**

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE

OPERATOR: ConocoPhillips CO.
FARMINGTON, NM 87401
PHONE: 599-3400

LOCATION INFORMATION

API NUMBER: **3004535095**

WELL NAME OR PIPELINE SERVED: **LODEWICK -100** LEGAL LOCATION: **18-27N-09W** INSTALLATION DATE: **7/1/2011**

PPCO. RECTIFIER NO.: **10420W** ADDITIONAL WELLS: **LODEWICK 3E & 100**

TYPE OF LEASE: LEASE NUMBER: **SF-077974**

GROUND BED INFORMATION

TOTAL DEPTH: **300'** CASING DIAMETER: **8"** TYPE OF CASING: **PVC** CASING DEPTH: **20'** CASING CEMENTED

TOP ANODE DEPTH: **140'** BOTTOM ANODE DEPTH: **280'**

ANODE DEPTHS: **140', 150', 160', 170', 180', 190', 200', 210', 220', 230', 240', 250', 260', 270', 280'**

AMOUNT OF COKE: **60 BAGS**

WATER INFORMATION

WATER DEPTH (1): WATER DEPTH (2):

GAS DEPTH: CEMENT PLUGS:

OTHER INFORMATION

TOP OF VENT PERFORATIONS: **160'** VENT PIPE DEPTH: **300'**

REMARKS:



IF ANY OF THE ABOVE INFORMATION IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED 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.

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COMPANY: Conoco Phillips
 COMPANY REP.: Randy Smith
 LOCATION: LODEWICK 100
 JOB NO.: 140805
 FOREMAN: Ron Luna
 DRILLER: Darrel Ferrier

DATE: 7/1/2011
 DIA. HOLE: 7 7/8"
 DEPTH: 300'
 COKE TYPE: SW
 # OF COKE: 60 BAGS
 # OF BENTONITE: 0

CASING: SCH 40 PVC
 DIAMETER: 8"
 CASING DEPTH: 20'
 # OF ANODES: 15
 ANODE TYPE: 2284Z
 ANODE LEAD: HWMPE #8

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RECTIFIER MFG: _____
 MODEL: _____
 SERIAL #: _____
 V-DC: _____ A -DC: _____

WELL LOG										ANODE PLACEMENT			
DEPTH FT.	DRILLERS LOG - SOIL TYPE	VOLTS	AMPS	COMMENTS / ANODE #	DEPTH FT.	DRILLERS LOG - SOIL TYPE	VOLTS	AMPS	COMMENTS / ANODE #	ANODE NO.	ANODE DEPTH	AMPS W/O COKE	AMPS W/ COKE
0	CASING	14.04			250	SANDY SHALE		2.30	#4	1	280	1.10	2.70
5	CASING				255	SANDY SHALE		1.80		2	270	1.60	3.50
10	CASING				260	SANDY SHALE		1.90	#3	3	260	1.90	4.10
15	CASING				265	SANDY SHALE		1.50		4	250	2.30	4.60
20	CASING				270	SHALE		1.40	#2	5	240	2.50	4.80
25	GRAY SANDSTONE				275	SHALE		1.10		6	230	0.60	3.40
30	GRAY SANDSTONE				280	SHALE		1.00	#1	7	220	1.00	3.40
35	GRAY SANDSTONE				285	SHALE		1.00		8	210	1.00	3.50
40	GRAY SANDSTONE				290	SHALE				9	200	1.40	3.90
45	GRAY SANDSTONE				295	SHALE				10	190	1.80	4.10
50	GRAY SANDSTONE				300	SHALE				11	180	1.10	3.70
55	SANDY SHALE				305					12	170	0.70	3.00
60	SANDY SHALE				310					13	160	0.80	3.00
65	SANDY SHALE				315					14	150	0.50	2.50
70	SANDY SHALE				320					15	140	0.50	2.40
75	GRAY SANDSTONE				325					16			
80	GRAY SANDSTONE		2.50		330					17			
85	GRAY SANDSTONE		1.90		335					18			
90	GRAY SANDSTONE		2.50		340					19			
95	SHALE		3.20		345					20			
100	SHALE		2.40		350					21			
105	SHALE		1.10		355					22			
110	SHALE		0.90		360					23			
115	SHALE		1.50		365					24			
120	SANDSTONE		1.10		370					25			
125	SANDSTONE		1.00		375								
130	SANDSTONE		0.90		380								
135	SANDSTONE		0.50		385								
140	SANDSTONE		0.40	#15	390								
145	SANDSTONE		0.40		395								
150	SANDSTONE		0.40	#14	400								
155	SANDSTONE		0.50		405								
160	SANDSTONE		0.60	#13	410								
165	SANDSTONE		0.60		415								
170	SANDY SHALE		0.50	#12	420								
175	SANDY SHALE		0.60		425								
180	SANDY SHALE		0.80	#11	430								
185	SANDY SHALE		1.20		435								
190	SANDY SHALE		1.60	#10	440								
195	SANDY SHALE		1.50		445								
200	SANDY SHALE	WET	1.30	#9	450								
205	SHALE	▼	1.00		455								
210	SHALE		0.90	#8	460								
215	SHALE		0.80		465								
220	SHALE		0.80	#7	470								
225	SHALE		0.50		475								
230	SHALE		0.40	#6	480								
235	SANDY SHALE		0.60		485								
240	SANDY SHALE		2.20	#5	490								
245	SANDY SHALE		2.80		495								
										TOTAL VOLTS: 14.04 TOTAL AMPS: 11.00 1.28 OHMS			
										SITE ELEVATION: 6505' WATER CONDUCTIVITY: ADDITIONAL COMMENTS: INJECT WITH WATER 200'-300'			
										COKE LEVEL: 121 FT			
										EXTRA CASING USED: N/A			