

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

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

OPERATOR: BR
FARMINGTON, NM 87401
PHONE: 599-3400

LOCATION INFORMATION

API NUMBER: 3003922670

WELL NAME OR PIPELINE SERVED: LIVELY 21E LEGAL LOCATION: 31 27N 07W INSTALLATION DATE: 9/19/2013

PPCO. RECTIFIER NO.: 10637W ADDITIONAL WELLS: #21E & HARRINGTON #2

TYPE OF LEASE: LEASE NUMBER: NOT PROVIDED

GROUND BED INFORMATION

TOTAL DEPTH: 300' CASING DIAMETER: 8" TYPE OF CASING: PVC CASING DEPTH: 110' CASING CEMENTED ■

TOP ANODE DEPTH: 167' BOTTOM ANODE DEPTH: 275'

ANODE DEPTHS: 167, 179, 191, 203, 215, 227, 239, 251, 263, 275

AMOUNT OF COKE: 50 BAGS

WATER INFORMATION

WATER DEPTH (1): 115' WATER DEPTH (2):

GAS DEPTH: — CEMENT PLUGS: —

RCVD OCT 11 '13
OIL CONS. DIV.
DIST. 3

OTHER INFORMATION

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

REMARKS:
COKE DEPTH 150'

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.

Wednesday, Nov 6

ca

COMPANY: CONOCO PHILLIPS
 COMPANY REP.: JOHN TAFOYA
 LOCATION: LIVELY 21E
 JOB NO.: 340140467
 FOREMAN: RON LUNA
 DRILLER: DARREL FERRIER

DATE: 9/19/2013
 DIA. HOLE: 7 7/8
 DEPTH: 300'
 COKE TYPE: SW
 # OF COKE: 50 BAGS
 # OF BENTONITE: 0

CASING: SCH40 PVC
 DIAMETER: 8"
 CASING DEPTH: 110'
 # OF ANODES: 10
 ANODE TYPE: 2284Z
 ANODE LEAD: HWMPE #8

corrpro

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	SAND	13.74		CASING	250	GRAY CLAY & SHALE		3.70	#3-251	1	275	3.1	6.1
5	SAND			CASING	255	GRAY CLAY & SHALE		3.60		2	263	3.7	9.2
10	SAND			CASING	260	GRAY CLAY & SHALE		3.80		3	251	3.8	9.5
15	SAND			CASING	265	GRAY CLAY & SHALE		3.30	#2-263	4	239	2.3	7.6
20	SAND			CASING	270	GRAY CLAY & SHALE		3.30		5	227	1.2	4.3
25	SAND			CASING	275	GRAY CLAY & SHALE		2.70	#1-275	6	215	1.7	5.6
30	SAND			CASING	280	GRAY CLAY & SHALE		2.00		7	203	2.1	6.8
35	SAND			CASING	285	GRAY CLAY & SHALE		1.40		8	191	1.5	5.3
40	SAND			CASING	290	GRAY CLAY & SHALE				9	179	1.7	5.7
45	SAND			CASING	295	GRAY CLAY & SHALE				10	167	1.8	5.6
50	SAND			CASING	300	GRAY CLAY & SHALE				11			
55	SAND			CASING	305					12			
60	SAND			CASING	310					13			
65	SAND			CASING	315					14			
70	SAND			CASING	320					15			
75	SAND			CASING	325					16			
80	SAND			CASING	330					17			
85	SAND			CASING	335					18			
90	SAND			CASING	340					19			
95	SAND			CASING	345					20			
100	SAND			CASING	350					21			
105	SAND			CASING	355					22			
110	SAND		1.7	CASING	360					23			
115	GRAVEL & SANDSTONE		1.8		365					24			
120	GRAVEL & SANDSTONE		1.8		370					25			
125	GRAVEL & SANDSTONE		1.5		375								
130	GRAVEL & SANDSTONE		1.6		380								
135	GRAVEL & SANDSTONE		1.6		385								
140	GRAVEL & SANDSTONE		1.5		390								
145	GRAVEL & SANDSTONE		1.5		395								
150	GRAVEL & SANDSTONE		1.5		400								
155	GRAVEL & SANDSTONE		1.4		405								
160	GRAVEL & SANDSTONE		1.4		410								
165	GRAY SHALE		1.5	#10-167	415								
170	GRAY SHALE		1.7		420								
175	GRAY SHALE		1.8		425								
180	GRAY SHALE		1.7	#9-179	430								
185	GRAY SANDSTONE		1.9		435								
190	GRAY SANDSTONE		1.5	#8-191	440								
195	GRAY SANDSTONE		1.7		445								
200	GRAY SANDSTONE		1.8		450								
205	GRAY SANDSTONE		2.8	#7-203	455								
210	GRAY SANDSTONE		2.1		460								
215	GRAY SANDSTONE		1.6	#6-215	465								
220	GRAY SANDSTONE		1.6		470								
225	GRAY SANDSTONE		1.4	#5-227	475								
230	GRAY SANDSTONE		1.3		480								
235	GRAY SANDSTONE		0.7		485								
240	GRAY SANDSTONE		2.2	#4-239	490								
245	GRAY SANDSTONE		3.4		495								
										GROUND BED RESISTANCE TOTAL VOLTS: 13.74 TOTAL AMPS: 20.40 0.67 OHMS			
										SITE ELEVATION: not provided WATER LEVEL #1: 115' WATER LEVEL #2: COKE LEVEL: 150' EXTRA CASING USED: 90' ADDITIONAL COMMENTS: 8' - 110' casing sand 110' - 120' air drill-hit large amount of water 120' - 300' mud drilling			
										PP 7.5.1.24 Effective 11/13/12			