

**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: **300453487X3**

WELL NAME OR PIPELINE SERVED: **RICHARDSON 8N** LEGAL LOCATION: **10 31N 12W** INSTALLATION DATE: **6/3/2013**

PPCO. RECTIFIER NO.: **10620W** ADDITIONAL WELLS:

LEASE NUMBER: **SF-077651**

GROUND BED INFORMATION

TOTAL DEPTH: **300'** CASING DIAMETER: **8"** TYPE OF CASING: **PVC** CASING DEPTH: **60'** CASING CEMENTED

TOP ANODE DEPTH: **157** BOTTOM ANODE DEPTH: **265**

ANODE DEPTHS: **157, 169, 181, 193, 205, 217, 229, 241, 253, 265**

AMOUNT OF COKE: **50 BAGS**

WATER INFORMATION

WATER DEPTH (1): **0-60'** WATER DEPTH (2): **270-300**

GAS DEPTH: **-** CEMENT PLUGS: **-**

RCVD JUN 12 '13
OIL CONS. DIV.
DIST. 3

OTHER INFORMATION

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

REMARKS:
COKE DEPTH 141'

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

ca

COMPANY: CONOCO PHILLIPS
 COMPANY REP.: JOHN TAFOYA
 LOCATION: RICHARDSON 8N
 JOB NO.: 340140438
 FOREMAN: RON LUNA
 DRILLER: DARREL FERRIER

DATE: 6/3/2013
 DIA. HOLE: 7 7/8
 DEPTH: 300'
 COKE TYPE: SW
 # OF COKE: 50 BAGS
 # OF BENTONITE: 0

CASING: SCH40 PVC
 DIAMETER: 8"
 CASING DEPTH: 60'
 # 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	13.70		CASING	250	SHALE		3.10		1	265	2.60	5.60
5	SAND			CASING	255	SHALE		2.50	#2-253	2	253	2.90	6.70
10	SAND			CASING	260	SHALE		2.30		3	241	5.00	9.30
15	SAND			CASING	265	GRAY SANDSTONE/MIX		3.00	#1-265	4	229	5.70	10.50
20	SAND			CASING	270	W/WATER/SAND		5.10		5	217	6.20	10.80
25	SAND			CASING	275	GRAY SANDSTONE/MIX		5.50		6	205	5.60	9.80
30	SAND			CASING	280	W/WATER/SAND				7	193	4.10	8.10
35	SAND			CASING	285	GRAY SANDY SHALE				8	181	3.20	7.00
40	SAND			CASING	290	GRAY SANDY SHALE				9	169	5.20	8.40
45	SAND			CASING	295	GRAY SANDY SHALE				10	157	2.10	5.80
50	SAND			CASING	300	GRAY SANDY SHALE				11			
55	BROWN SANDSTONE			CASING	305					12			
60	BROWN SANDSTONE			CASING	310				TD: 285'	13			
65	GRAY SHALE				315				VENT PIPE DEPTH:	14			
70	GRAY SHALE				320					15			
75	GRAY SANDSTONE				325					16			
80	GRAY SANDSTONE		3.5		330					17			
85	GRAY SANDSTONE		3.4		335					18			
90	GRAY SANDSTONE		3.4		340					19			
95	GRAY SANDSTONE		4.5		345					20			
100	GRAY SANDSTONE		4.7		350					21			
105	GRAY SANDY SHALE		4.5		355					22			
110	GRAY SANDY SHALE		4.9		360					23			
115	GRAY SANDY SHALE		5.2		365					24			
120	GRAY SANDY SHALE		6.0		370					25			
125	SHALE		6.2		375					GROUND BED RESISTANCE TOTAL VOLTS: 13.70 TOTAL AMPS: 31.50 0.43 OHMS			
130	SHALE		6.2		380								
135	SHALE		6.5		385					SITE ELEVATION: 6186 WATER CONDUCTIVITY: COKE LEVEL: 141' EXTRA CASING USED: 40' ADDITIONAL COMMENTS: INJECT H2O 0' - 60' 270-300 AIR DRILL 60'-300'			
140	SHALE		6.7		390								
145	SHALE		6.2		395								
150	SHALE		5.3		400								
155	SHALE		2.7	#10-157	405								
160	SHALE		2.3		410								
165	GRAY SANDSTONE		3.4		415								
170	GRAY SANDSTONE		5.0	#9-169	420								
175	GRAY SANDY SHALE		4.7		425								
180	GRAY SANDY SHALE		4.0	#8-181	430								
185	GRAY SANDSTONE		3.0		435								
190	GRAY SANDSTONE		1.6	#7-193	440								
195	GRAY SANDSTONE		3.9		445								
200	GRAY SANDSTONE		5.9		450								
205	SHALE		5.5	#6-205	455								
210	SHALE		5.2		460								
215	SHALE		5.9		465								
220	SHALE		6.1	#5-217	470								
225	SHALE		5.4		475								
230	SHALE		5.7	#4-229	480								
235	GRAY SANDY SHALE		5.8		485								
240	GRAY SANDY SHALE		5.0	#3-241	490								
245	SHALE		1.7		495								

PP 7.5.1.24

Effective 11/13/12