

**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: **3004534850**

WELL NAME OR PIPELINE SERVED: **RANDLEMON / 100S**

LEGAL LOCATION: **26-31N-11W**

INSTALLATION DATE: **7/18/2011**

PPCO. RECTIFIER NO.: **10331W**

ADDITIONAL WELLS: **RANDLEMON 1B, 100S**

TYPE OF LEASE:

LEASE NUMBER: **FEE**

GROUND BED INFORMATION

TOTAL DEPTH: **300'** CASING DIAMETER: **8"** TYPE OF CASING: **PVC** CASING DEPTH: **80'** CASING CEMENTED ☒

TOP ANODE DEPTH: **165'**

BOTTOM ANODE DEPTH: **273'**

ANODE DEPTHS: **165', 177', 189', 201', 213', 225', 237', 249', 261', 273'**

AMOUNT OF COKE: **45 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: RANDLEMON / 100S
 JOB NO.: 140816
 FOREMAN: Ron Luna
 DRILLER: Darrel Ferrier

DATE: 7/18/2011
 DIA. HOLE: 7 7/8"
 DEPTH: 300'
 COKE TYPE: SW
 # OF COKE: 45 BAGS
 # OF BENTONITE: 0

CASING: SCH 40 PVC
 DIAMETER: 8"
 CASING DEPTH: 80'
 # OF ANODES: 10
 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	13.90			250	DARK SHALE		3.40		1	273	3.40	8.30
5	CASING				255	DARK SHALE		3.50		2	261	3.50	9.60
10	CASING				260	DARK SHALE		3.60		3	249	3.00	8.90
15	CASING				265	DARK SHALE		3.70		4	237	2.70	8.00
20	CASING				270	DARK SHALE		3.90		5	225	3.20	8.40
25	CASING				275	DARK SHALE		2.50		6	213	3.20	9.50
30	CASING				280	GRAY SANDSTONE		2.70		7	201	3.50	9.80
35	CASING				285	GRAY SANDSTONE				8	189	3.70	9.80
40	CASING				290	GRAY SANDSTONE				9	177	3.90	9.80
45	CASING				295	GRAY SANDSTONE				10	165	4.00	9.20
50	CASING				300	GRAY SANDSTONE				11			
55	CASING				305					12			
60	CASING				310					13			
65	CASING				315					14			
70	CASING				320					15			
75	CASING				325					16			
80	CASING		2.80		330					17			
85	GRAY SANDSTONE		3.60		335					18			
90	GRAY SANDSTONE		4.50		340					19			
95	GRAY SANDSTONE		3.70		345					20			
100	SHALE		3.40		350					21			
105	SHALE		3.60		355					22			
110	SHALE		3.50		360					23			
115	SHALE		3.20		365					24			
120	SHALE		3.40		370					25			
125	DARK SHALE		3.50		375					TOTAL VOLTS: <u>13.90</u> TOTAL AMPS: <u>28.80</u> <u>0.48</u> OHMS			
130	DARK SHALE		3.70		380								
135	DARK SHALE		3.40		385					SITE ELEVATION: <u>5729'</u> WATER CONDUCTIVITY: ADDITIONAL COMMENTS:			
140	DARK SHALE		3.60		390								
145	DARK SHALE		3.80		395					COKE LEVEL: <u>147 FT</u>			
150	DARK SHALE		3.60		400								
155	DARK SHALE		3.40		405					EXTRA CASING USED: <u>80'</u> TOTAL USED DUE TO BOULDER DRILLING			
160	DARK SHALE		3.90		410								
165	DARK SHALE		4.40		415								
170	DARK SHALE		4.80		420								
175	DARK SHALE		4.30		425								
180	DARK SHALE		3.90		430								
185	SANDY SHALE		3.80		435								
190	SANDY SHALE		3.90		440								
195	SANDY SHALE		3.50		445								
200	SANDY SHALE		3.40		450								
205	SANDY SHALE		3.50		455								
210	SHALE		3.50		460								
215	SHALE		3.20		465								
220	SHALE		3.20		470								
225	SHALE		2.90		475								
230	SHALE		2.60		480								
235	SHALE		2.70		485								
240	SHALE		2.90		490								
245	SHALE		3.10		495								