

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

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

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

LOCATION INFORMATION

API NUMBER: 3004535165

WELL NAME OR PIPELINE SERVED: MORRIS A COM / 100 LEGAL LOCATION: 18-27N-09W INSTALLATION DATE: 7/20/2011

PPCO. RECTIFIER NO.: 5519W ADDITIONAL WELLS: MORRIS A COM 100, A COM 1

TYPE OF LEASE: LEASE NUMBER: SF-078138

GROUND BED INFORMATION

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

TOP ANODE DEPTH: 158' BOTTOM ANODE DEPTH: 266'

ANODE DEPTHS: 158', 170', 182', 194', 206', 218', 230', 242', 254', 266'

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.

COMPANY: Conoco Phillips
 COMPANY REP.: Randy Smith
 LOCATION: MORRIS A COM / 1
 JOB NO.: 140865
 FOREMAN: Ron Luna
 DRILLER: Darrel Ferrier

DATE: 7/20/2011
 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: 20'
 # OF ANODES: 10
 ANODE TYPE: 2284Z
 ANODE LEAD: HWMPE #8

Corpro

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	13.00			250	SHALE		5.00		1	266	6.60	7.00
5	CASING				255	SHALE		5.10		2	254	5.30	5.70
10	CASING				260	SHALE		5.40		3	242	5.50	6.20
15	CASING				265	SANDSTONE		6.60		4	230	4.20	8.20
20	CASING				270	SANDSTONE		6.70		5	218	5.30	10.50
25	SANDSTONE				275	SHALE		6.00		6	206	4.20	10.80
30	SANDSTONE				280	SHALE				7	194	4.40	10.50
35	SANDSTONE				285	GRAY SANDSTONE				8	182	4.70	10.60
40	SANDSTONE				290	GRAY SANDSTONE				9	170	2.30	7.80
45	SHALE				295	GRAY SANDSTONE				10	158	4.20	9.60
50	SHALE				300	GRAY SANDSTONE				11			
55	SHALE				305					12			
60	SHALE				310					13			
65	SHALE				315					14			
70	SHALE				320					15			
75	SHALE				325					16			
80	SHALE		3.10		330					17			
85	SHALE		2.80		335					18			
90	SHALE		3.70		340					19			
95	SHALE		3.00		345					20			
100	SHALE		3.70		350					21			
105	SHALE		3.00		355					22			
110	SHALE		2.80		360					23			
115	SHALE		2.60		365					24			
120	SHALE		2.90		370					25			
125	SANDSTONE		2.90		375					TOTAL VOLTS: 13.00 TOTAL AMPS: 35.20			
130	SANDSTONE		2.20		380								
135	SANDSTONE		2.50		385					0.37 OHMS			
140	SANDSTONE		2.70		390								
145	SANDSTONE		3.10		395					SITE ELEVATION: 5469'			
150	SANDSTONE		3.40		400								
155	SANDSTONE		4.40		405					WATER CONDUCTIVITY:			
160	SANDSTONE		3.40		410								
165	SHALE		2.80		415					ADDITIONAL COMMENTS:			
170	SHALE		2.30		420								
175	SANDSTONE		1.80		425					COKE LEVEL: 141 FT			
180	SANDSTONE		3.60		430								
185	SANDSTONE		4.40		435					EXTRA CASING USED: N/A			
190	SHALE		4.10		440								
195	SHALE		3.90		445								
200	SHALE		3.40		450								
205	SHALE		3.80		455								
210	SHALE		4.00		460								
215	SHALE		4.70		465								
220	SHALE		4.90		470								
225	SHALE		4.50		475								
230	SHALE		4.50		480								
235	SANDY SHALE		4.90		485								
240	SANDY SHALE		5.30		490								
245	SANDY SHALE		5.20		495								