

**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: **3004524020**

WELL NAME OR PIPELINE SERVED: **THOMPSON 5M** LEGAL LOCATION: **33 31N 12W** INSTALLATION DATE: **6/10/2013**

PPCO. RECTIFIER NO.: **5049W** ADDITIONAL WELLS:

TYPE OF LEASE: LEASE NUMBER: **NONE PROVIDED**

GROUND BED INFORMATION

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

TOP ANODE DEPTH: **164'** BOTTOM ANODE DEPTH: **272'**

ANODE DEPTHS: **164, 176, 188, 200, 212, 224, 236, 248, 260, 272**

AMOUNT OF COKE: **50 BAGS**

WATER INFORMATION

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

GAS DEPTH: **—** CEMENT PLUGS: **—**

RCVD JUN 19 '13
OIL CONS. DIV.
DIST. 3

OTHER INFORMATION

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

REMARKS:

COKE DEPTH 146"

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

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ca

DATE:	6/10/2013
DIA. HOLE:	7 7/8
DEPTH:	300'
COKE TYPE:	SW
# OF COKE:	50 BAGS
# OF BENTONITE:	0

corrpro®

V-DC: _____ A -DC: _____

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	13.90		CASING	250	GRAY SHALE		3.00	#3-248	1	272	3.70	5.50
5	SAND			CASING	255	GRAY SHALE		3.00		2	260	3.30	5.70
10	SAND			CASING	260	GRAY SHALE		3.10	#2-260	3	248	3.10	5.70
15	SAND			CASING	265	GRAY SHALE		3.50		4	236	3.90	6.30
20	SAND			CASING	270	GRAY SHALE		3.70	#1-272	5	224	3.00	5.90
25	GRAY SANDSTONE				275	GRAY SHALE		3.60		6	212	3.30	6.60
30	GRAY SANDSTONE				280	GRAY SHALE		3.30		7	200	3.10	7.00
35	GRAY SANDSTONE				285	GRAY SHALE				8	188	3.30	8.00
40	GRAY SANDSTONE				290	GRAY SHALE				9	176	4.00	9.20
45	GRAY SANDSTONE				295	GRAY SHALE				10	164	3.10	7.10
50	GRAY SANDSTONE				300	GRAY SHALE				11			
55	GRAY SANDSTONE				305					12			
60	GRAY SANDSTONE				310				TD: 290'	13			
65	GRAY SANDSTONE				315				VENT PIPE DEPTH:	14			
70	GRAY SANDSTONE				320					15			
75	GRAY SHALE				325					16			
80	GRAY SHALE		1.40		330					17			
85	GRAY SHALE		0.70		335					18			
90	GRAY SHALE		0.10		340					19			
95	GRAY SHALE		0.80		345					20			
100	GRAY SHALE		1.40		350					21			
105	GRAY SHALE		2.20		355					22			
110	GRAY SHALE		1.30		360					23			
115	GRAY SHALE		4.20		365					24			
120	GRAY SHALE		4.10		370					25			
125	GRAY SHALE		5.00		375					GROUND BED RESISTANCE			
130	GRAY SHALE		5.00		380								
135	GRAY SHALE		3.50		385					TOTAL VOLTS: 13.90 TOTAL AMPS: 23.20			
140	GRAY SHALE		4.50		390								
145	GRAY SHALE		4.00		395					0.60 OHMS			
150	GRAY SHALE		3.50		400								
155	GRAY SHALE		3.00		405					SITE ELEVATION: 5976'			
160	GRAY SHALE		2.60		410								
165	GRAY SHALE		2.60	#10-164	415					WATER CONDUCTIVITY:			
170	GRAY SHALE		2.80		420								
175	GRAY SHALE		2.70	#9-176	425					COKE LEVEL: 146'			
180	GRAY SHALE		3.50		430								
185	WHITE SANDSTONE		2.80		435					EXTRA CASING USED:			
190	WHITE SANDSTONE		2.50	#8-188	440								
195	WHITE SANDSTONE		2.40		445					ADDITIONAL COMMENTS:			
200	WHITE SANDSTONE		2.90	#7-200	450								
205	WHITE SANDSTONE		3.30		455					DRILL 60' TO 300' WITH WATER INJECT			
210	WHITE SANDSTONE		3.20	#6-212	460								
215	WHITE SANDSTONE		3.30		465					C.P. TAKE WATER SAMPLE AT 60'			
220	WHITE SANDSTONE		3.30		470								
225	WHITE SANDSTONE		3.00	#5-224	475								
230	WHITE SANDSTONE		3.10		480								
235	GRAY SHALE		3.60	#4-236	485								
240	GRAY SHALE		3.80		490								
245	GRAY SHALE		3.50		495					PP 7.5.1.24 Effective 11/13/12			