

23190

30-045-23934

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS.
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit J Sec. 17 Twp 29 Rng. 11

Name of Well/Wells or Pipeline Serviced BLOOMFIELD #1E

cps 1991w

Elevation 5605' Completion Date 9/2/88 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 130' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 340', 330', 320', 295', 285', 275', 235', 225', 170', 150'

Depths vent pipes placed: 360'

Vent pipe perforations: 260'

Remarks: gb #1

RECEIVED

MAY 31 1991.

OIL CON. DIV.

DIST 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned 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.

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto) ☒Completion Date 9-2-88

CPS #	Well Name, Line or Plant	Work Order #	Status	Ins. Union Check
	<u>Bloomfield #1E</u>		<u>600SE - 797</u>	☒ Good ☐ Bad
<u>1991W</u>				
Location	Anode Size	Anode Type	Size Bit	
<u>T14-29-11</u>	<u>2" x 60"</u>	<u>Duriron</u>	<u>6 3/4"</u>	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
<u>360'</u>	<u>360'</u>			
Anode Depth				
# <u>340</u>	# <u>330</u>	# <u>320</u>	# <u>295</u>	# <u>285</u>
# <u>275</u>	# <u>235</u>	# <u>225</u>	# <u>170</u>	# <u>150</u>
Anode Output (Amperes)				
# <u>6.2</u>	# <u>5.6</u>	# <u>4.8</u>	# <u>6.2</u>	# <u>6.2</u>
# <u>5.7</u>	# <u>5.8</u>	# <u>5.6</u>	# <u>4.9</u>	# <u>5.6</u>
Anode Depth				
# <u>11</u>	# <u>12</u>	# <u>13</u>	# <u>14</u>	# <u>15</u>
# <u>16</u>	# <u>17</u>	# <u>18</u>	# <u>19</u>	# <u>20</u>
Anode Output (Amperes)				
# <u>11</u>	# <u>12</u>	# <u>13</u>	# <u>14</u>	# <u>15</u>
# <u>16</u>	# <u>17</u>	# <u>18</u>	# <u>19</u>	# <u>20</u>
Total Circuit Resistance				
Volts <u>12.2</u>	Amperes <u>28.8</u>	Ohms <u>.42</u>	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

Remarks: Water at 130'; sample taken. Installed 360' of 1" PVC vent pipe, bottom 260' perforated.

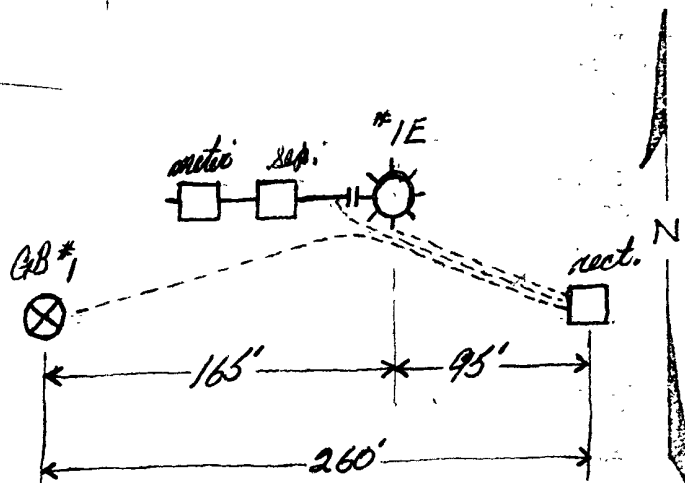
Rectifier Size: 40 V 16 A GB 4074.00
 Addn'l Depth: 140' @ 3.50 = 490.00
 Depth Credit: 220' @ .24 = 52.80
 Extra Cable: 260' @ .70 = 182.00
 Ditch & 1 Cable: 260' @ .70

All Construction Completed

Calvin Rodman
 Signature

25' Meter Pole: _____
 20' Meter Pole: 1 @ 297.00 = 297.00
 10' Stub Pole: _____
 Junction Box: 1 @ 225.00 = 225.00

tax 5009.80
250.49
5260.29



WELL TYPE GROUND BED DATA

D. 1 SHEET NO. _____

CPS# 19910

COMPANY _____ JOB No. 13128 DATE: 9-2-88
 WELL: Bloomfield # 1 E PIPELINE: _____
 LOCATION: SEC 17 TWP: 29 RGE. 11 CO. SAN JUAN STATE _____
 ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL - 0 - FT: CASING - 0 - FT.
 GROUND BED: DEPTH _____ FT. DIA. _____ IN. GAS _____ LBS. ANODES _____

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I		
	<u>FRESH WATER 130</u>							
50								
55								
60								
65								
70								
75								
80								
85								
90								
95								
100								
5								
10								
15								
20					2.0			
25					1.9			
30					1.6			
35					1.7			
40					1.5			
45					2.2			
50					2.2	2.8	5.6	10
55					2.1			150
60					2.1			
65					2.0			
70					2.0	2.3	4.9	9
75					1.9			170
80					1.7			
85					1.7			
90					1.5			
95					1.3			
200					1.3			
5					1.5			
10					1.3			
15					1.3			
20					1.8			
25					2.1	2.5	5.6	8
30					2.1			220
35					2.1	2.6	5.8	7
40					1.9			230
45					1.8			
50					1.7			
55					1.1			

GROUND BED RESISTANCE: (1) VOLTS 13.20 - AMPS 28.8 - OHMS .42

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

CPS#19910

D. CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Bloomfield #1E Date 9-2-88
 Client Meridian Oil Co. Prospect _____
 County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
 and direction moved: _____

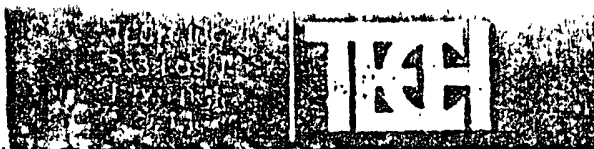
FROM	TO	FORMATION — COLOR — HARDNESS
<u>0</u>	<u>25</u>	<u>Shale</u>
<u>25</u>	<u>85</u>	<u>SANDSTONE</u>
<u>85</u>	<u>110</u>	<u>Shale</u>
<u>110</u>	<u>140</u>	<u>SAND</u>
<u>140</u>	<u>180</u>	<u>Shale</u>
<u>180</u>	<u>215</u>	<u>SANDY SHALE</u>
<u>215</u>	<u>250</u>	<u>Shale</u>
<u>250</u>	<u>270</u>	<u>SANDSTONE</u>
<u>270</u>	<u>305</u>	<u>Shale</u>
<u>305</u>	<u>315</u>	<u>SANDY SHALE</u>
<u>315</u>	<u>360</u>	<u>Shale</u>

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 130'

Driller Rennie Brown



19910

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1	Date Sampled 9/2/88	
Field	Legal Description J17-29-11	County or Parish		State
Lease or Unit Bloomfield	Well # #1E	Depth 130'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By C.R.

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	4614	201.5
Calcium, Ca	401	20.0
Magnesium, Mg	49	4.0
Barium, Ba		

OTHER PROPERTIES

pH	7.64
Specific Gravity, 60/60 F.	1.008
Resistivity (ohm-meters) 72°F.	1.18

Total Dissolved Solids (calc.) 15,900

ANIONS

Chloride, Cl	89	2.5
Sulfate, SO ₄	10,440	221.7
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	76	1.3

Iron, Fe (total) _____
Sulfide, as H₂S neg

REMARKS & RECOMMENDATIONS:

