

1451

1 30-045-10931

7 30-045-10957

18 30-045-23372

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator Meridian Oil Location: Unit #5 Sec. 11 Twp 31 Rng 12Name of Well/Wells or Pipeline Serviced Davis #7, 1 & 18

cps 4081w

Elevation 6219' Completion Date 7/12/90 Total Depth 360 Land Type* N/ACasing, Sizes, Types & Depths 8" PVC 20'If Casing is cemented, show amounts & types used 2 Bags PortlandIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 70'-85' Fresh Water sample.Depths gas encountered: noneType & amount of coke breeze used: Ashbury Petroleum 3800lbsDepths anodes placed: 310, 300, 290, 280, 270, 260, 250, 220, 210, 200Depths vent pipes placed: 360'Vent pipe perforations: 60'-360'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 7-12-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
4081-W	DAVIS # 1			☒ Good ☐ Bad
	DAVIS # 7			
	DAVIS # 18			
Location:	Anode Size:	Anode Type:	Size Bit:	
D11-31-12	2" X 60"	ANOTEC	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
360'	340'		3300 #	—
Anode Depth				
# 1 310	# 2 300	# 3 290	# 4 280	# 5 270
# 6 260	# 7 250	# 8 220	# 9 210	# 10 200
Anode Output (Amps)				
# 1 4.3	# 2 5.0	# 3 4.5	# 4 5.6	# 5 5.8
# 6 5.6	# 7 5.5	# 8 5.5	# 9 6.8	# 10 6.6
Anode Depth				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used
Volts 12.6		Amps 20.0		Ohms .63

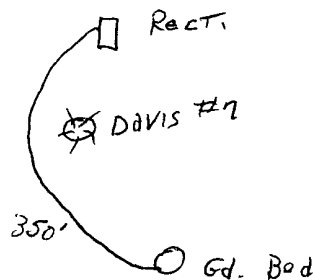
Remarks: DRILLER SAID WATER SAND FROM 70' TO 85', WATER SAMPLE TAKEN AT 70'. INSTN 340' OF 1" PVC VENT PIPE. SET 20' OF 8" PVC PIPE. SLURRIED COKE BREEZE AROUND ANODES, ~~TOP~~ TOP OF COKE BREEZE APPROXIMATELY 170'. MAKING APPROXIMATELY 4 GPM WATER

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 350'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

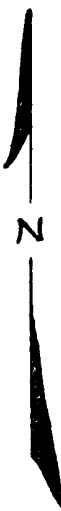
Willis Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH



DAVIS #18

DAVIS #1



629

BURGE CORROSION SYSTEMS INC

P.O. BOX 1359

AZTEC, NEW MEXICO 87410

DRILLING AND LOGGING LOG

JOB NUMBER 90-1 CPS 4081W

HOLE DIAMETER 6.34 IN

DATE 7-12-90

WELL NAME DAVIS #7-1-18

HOLE DEPTH 360 FT

FINAL READING 12.6 VOLTS

COMPANY NAME Meridian Oil

NUM OF ANODES 10

FINAL READING 20.0 AMPS

LEGAL DESCRIPTION 1/4 NW 1/4 DILL T 31 R 12

WATER DEPTH 85 FT

FINAL READING .63 OHMS

HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS
5					245	Shale	0.7			485				
10					250		2.0	7	3.1	5.5	490			
15					255		2.4				495			
20					260		2.5	6	3.7	5.6	500			
25					265		2.8				505			
30					270		2.8	5	3.1	5.8	510			
35					275		2.9				515			
40					280		2.2	4	3.3	5.6	520			
45					285		2.2				525			
50					290		2.6	3	3.3	4.5	530			
55					295		2.5				535			
60					300		2.1	2	3.1	5.0	540			
65					305		2.1				545			
70					310		2.0	1	2.6	4.3	550			
75					315		1.9				555			
80					320		1.6				560			
85					325		1.7				565			
90					330		1.8				570			
95					335		1.7				575			
100					340		1.7				580			
105					345						585			
110					350						590			
115					355						595			
120					360						600			
125					365						605			
130					370						610			
135					375						615			
140					380						620			
145					385						625			
150					390						630			
155					395						635			
160					400						640			
165					405						645			
170					410						650			
175					415						655			
180					420						660			
185					425						665			
190					430						670			
195					435						675			
200					440						680			
205					445						685			
210					450						690			
215					455						695			
220					460						700			
225					465						705			
230					470						710			
235					475						715			
240					480						720			

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company Meridian Oil Inc		Sample No. 2		Date Sampled	
Field		Legal Description NW 11-31-12		County or Parish	
Lease or Unit DAVIS		Well #1, #7, #18		Depth	
Type of Water (Produced, Supply, etc.)		Sampling Point Ground bed		Water, B/D	
				Sampled By	



TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>1280</u>	<u>55.6</u>
Calcium, Ca	<u>557</u>	<u>27.8</u>
Magnesium, Mg	<u>49</u>	<u>4.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.31</u>
Specific Gravity, 60/60 F.	<u>1.0055</u>
Resistivity (ohm-meters) <u>73°</u> F.	<u>1.50</u>

Total Dissolved Solids (calc.)

6000

ANIONS

Chloride, Cl	<u>391</u>	<u>11.0</u>
Sulfate, SO_4	<u>3435</u>	<u>71.6</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>293</u>	<u>4.8</u>

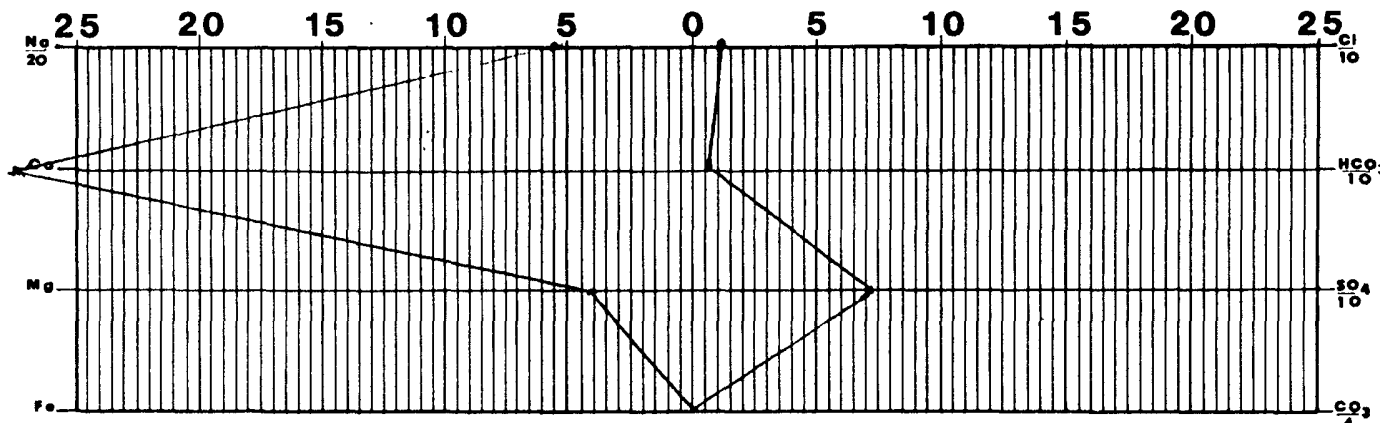
Iron, Fe (total)

Sulfide, as H_2S

0

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received 8/13/97	Preserved	Date Analyzed 8/17/97	Analyzed By DDH
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