

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 #D Sec. 11 Twp 31 Rng 12Name of Well/Wells or Pipeline Serviced Davis #7, 1 & 18
cps 408lwElevation 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				

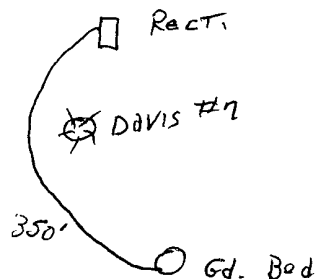
Remarks: DRILLER SAID WATER SAND FROM 70' TO 85', WATER SAMPLE TAKEN AT 70'. INSTN 340' OF 1" PVC VENT PIPE. SET 20' OF 8" PVC PIPE. SLURRIED COKE BREEZE AROUND ANODES, ~~TOP~~ TOP OF COKE BREEZE APPROXIMATE 170'. MAKING APPROXIMATELY 4 GPM WATER

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

Willie Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH



X DAVIS #18

X DAVIS #1

6219

N

BURGE CORROSION SYSTEMS INC

P.O. BOX 1359

AZTEC, NEW MEXICO 87410

DRILLING AND LOGGING LOG

JOB NUMBER 90-1 CPS 4081W

WELL NAME DAVIS #7 & 18

COMPANY NAME Meridian Oil

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

HOLE DIAMETER 6 3/4 IN

HOLE DEPTH 360 FT

NUM OF ANODES 10

WATER DEPTH 85 FT

DATE 7-12-90

FINAL READING 12.6 VOLTS

FINAL READING 20.0 AMPS

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	55				
15					255		2.4			495				
20					260	*	2.5	6	3.7	5.6	500			
25					265	*	2.8			505				
30					270	Sand	2.8	5	3.1	5.8	510			
35					275		2.4			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	Sand	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	ID	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.)		Formation		Water, B/D	
Sampling Point Ground bed		Sampled By			



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

DISSOLVED SOLIDS

CATIONS

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

OTHER PROPERTIES

pH	7.31
Specific Gravity, 60/60 F.	1.055
Resistivity (ohm-meters) 73° F.	1.50

Total Dissolved Solids (calc.)

6000

ANIONS

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

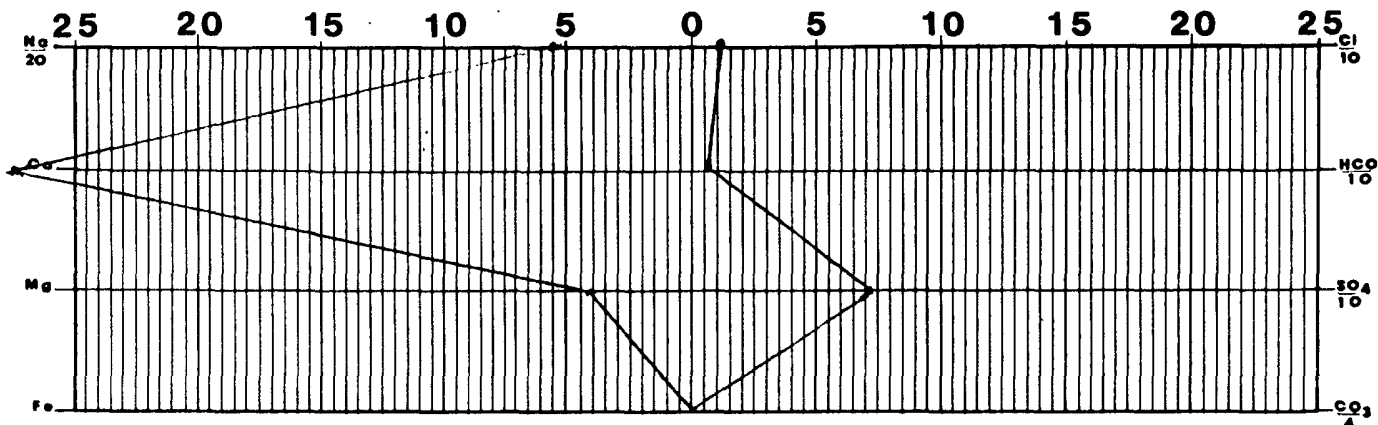
Iron, Fe (total)

Sulfide, as H_2S

0

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received 8/13/90	Preserved	Date Analyzed 8/17/90	Analyzed By DDH
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