

1459

30-039-24297

Exhibit D

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator MERIDIAN OIL CO. Location: Unit NE Sec. 32 Twp. 30 Rng. 7Name of Well/Wells or Pipeline Serviced San Juan 30-6 # 429

cps 2168w

Elevation 6244' Completion Date 11/21/90 Total Depth 360 Land Type N/ACasing Strings, Sizes, Types & Depths 20 ft. 8" PVC CasingIf Casing Strings are cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water: Fresh, Clear
Salty, Sulphur, Etc. 43 ft. got water sampleDepths gas encountered: N/AGround bed depth with type & amount of coke breeze used: 335 ft. with 4500 lbs Ashbury Petroleum CokeDepths anodes placed: 325, 315, 230, 220 185, 175, 100, 90, 80, 70Depths vent pipes placed: 330 ft. of 1" PVCVent pipe perforations: Perforated 300 ft.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.OIL CON. DIV.
DIST. 3

**WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG**

Exhibit A

Drilling Log (Attach Hereto) ☐Completion Date 11-21-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check						
2168W	S.J. 30-6 # 429	4707A		☐ Good ☐ Bad NOT hooked up						
Location: <u>NE 'A'</u>	Anode Size: <u>2" x 60"</u>	Anode Type: <u>ANOTEC</u>	Size Bit: <u>6 3/4"</u>							
Depth Drilled: <u>360</u>	Depth Logged: <u>335</u>	Drilling Rig Time:	Total Lbs. Cable Used: <u>4500 #</u>	Lost Circulation Mat'l Used:						
Anode Depth	# 1 325	# 2 315	# 3 230	# 4 220	# 5 185	# 6 175	# 7 100	# 8 90	# 9 80	# 10 70
Anode Output (Amps)	# 1 2.8	# 2 3.2	# 3 2.6	# 4 2.9	# 5 3.2	# 6 3.0	# 7 3.9	# 8 4.6	# 9 4.9	# 10 4.4
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	Volts <u>11.1</u>	Amps <u>14.8</u>	Ohms <u>.75</u>	No. 1 C.P. Cable Used			No. 2 C.P. Cable Used			

Remarks: Set 20' of 8" PVC casing. Driller said ~~was~~ wet at 43', NEXT A.P.
Blew mud, got water sample. RAN 335' of 1" PVC VENT PIPE. ~~PERFORATED~~
PERFORATED 300' of VENT PIPE. Left coke Breeze at APPROXIMATE
40'

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

All Construction Completed

Mills Wright Jr
 (Signature)

GROUND BED LAYOUT SKETCH

30-6 #429

G.B. #1

4244



COMPANY:

Meridian Oil

DAILY DRILLING REPORT 11-21

1970

WELL NAME:

SAN JUAN 30-6

WELL NUMBER:

429

SECTION:

32

TOWNSHIP:

30

RANGE:

7

WATER AT:

33'

FEET:

HOLE MADE:

340

DESCRIPTION OF FORMATION

[illegible]

REMARKS:

REMARKS: SET 20' 8" PVC-CASING HIT WATER AT 38' GOT MUD SAMPLE
WENT TO INJECTION. DRILLED TO 240' LOGGED - DRILLED TO 340'

Brian D. Burge

Drifter

Tool Dresser

CONSTRUCTION LOGGING READINGS

Exhibit C

Meridian 011

CPS #:

WELL NAME: ST 30-6 # 429

LOCATION: NE 32-30-7

DATE: 11-21-90

TOTAL VOLTS: 11.1

TOTAL AMPS: 14.8

OHMS RESISTANCE: 75

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.	ANODE	NO.	ANODE	NO.	ANODE	NO.	ANODE	ANODE	NO.	ANODE	COKE	COKE	COKE	COKE
5			185	1.1	5	365			545			1	325	1.5	2.8
10			190	1.80		370			550			2	315	1.6	3.2
15			195	1.60		375			555			3	300	1.2	2.6
20			200	1.50		380			560			4	220	1.3	2.9
25			205	1.50		385			565			5	185	1.4	3.2
30			210	1.60		390			570			6	175	1.4	3.0
35			215	1.60		395			575			7	100	1.7	3.9
40			220	1.1	4	400			580			8	90	1.7	4.6
45	70		225	1.3		405			585			9	80	1.9	4.9
50	1.2		230	1.0	3	410			590			10	70	2.2	4.4
55	1.1		235	1.50		415			595						
60	1.4		240	1.40		420			600						
65	1.3		245	1.40		425			605						
70	1.2	10	250	1.40		430			610						
75	1.5		255	1.50		435			615						
80	1.6	9	260	1.50		440			620						
85	1.9		265	1.60		445			625						
90	1.8	8	270	1.70		450			630						
95	1.3		275	1.70		455			635						
100	1.5	7	280	1.0	3	460			640						
105	1.60		285	1.80		465			645						
110	1.40		290	1.70		470			650						
115	1.40		295	1.60		475			655						
120	1.30		300	1.70		480			660						
125	1.40		305	1.60		485			665						
130	1.40		310	1.70		490			670						
135	1.40		315	1.2	2	495			675						
140	1.40		320	1.4		500			680						
145	1.40		325	1.3	1	505			685						
150	1.30		330	1.3		510			690						
155	1.30		335	1.70		515			695						
160	1.40		340			520			700						
165	1.70		345			525			705						
170	1.80		350			530			710						
175	1.3	6	355			535			715						
180	1.2		360			540			720						

REMARKS: Set 20' of 8" PVC casing. Driller said wet
 at 43'. Blew mud next A.M. Got water sample.

API WATER ANALYSIS REPORT FORM

Exhibit E

Laboratory No. 25-901126-2A

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>10-20-90</u>	
Field <u>BLANCO FLD.</u>		Legal Description <u>NE 32-30-6</u>		County or Parish <u>SJ</u>	
Lease or Unit		Well <u>SJ 30-6 #429</u>		Depth	
Type of Water (Produced, Supply, etc.)		Formation		Water, B/D	
Sampling Point		Sampled By <u>W. KNIGHT</u>			



TECH, Inc.
333 East Main
Farmington
New Mexico
87401

505/327-3311

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>147</u>	<u>6.4</u>
Calcium, Ca	<u>174</u>	<u>8.7</u>
Magnesium, Mg	<u>11</u>	<u>0.9</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.43</u>
Specific Gravity, 60/60 F.	<u>1.0012</u>
Resistivity (ohm-meters) <u>65</u> F.	<u>9.3</u>

Total Dissolved Solids (calc.)

938

ANIONS

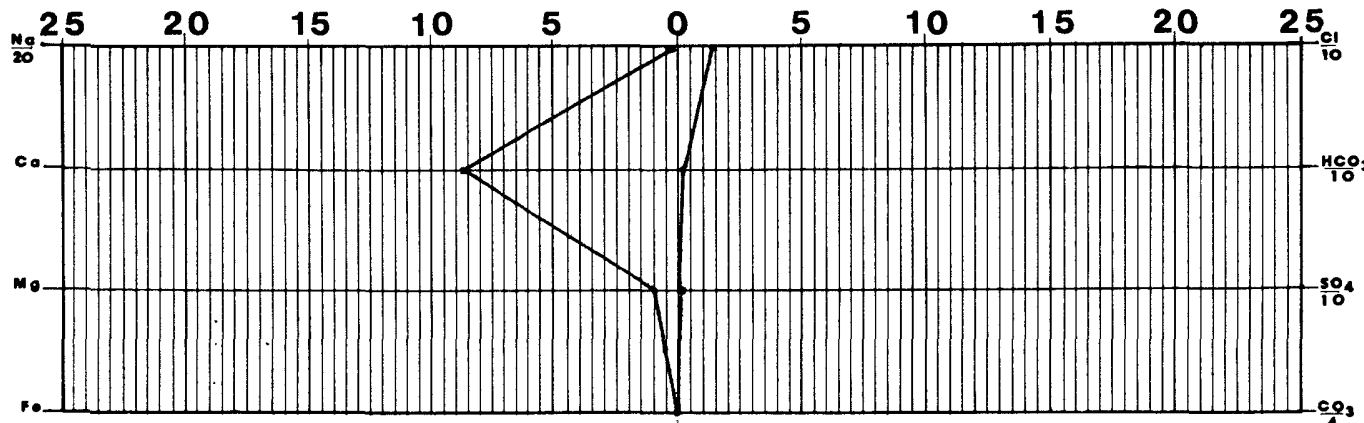
Chloride, Cl	<u>491</u>	<u>13.9</u>
Sulfate, SO_4	<u>54</u>	<u>1.1</u>
Carbonate, CO_3		
Bicarbonate, HCO_3	<u>61</u>	<u>1.0</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

WARD ARNOLD
WILLIS KNIGHT



Date Received <u>11-26-90</u>	Preserved	Date Analyzed <u>11-28-90</u>	Analyzed By <u>MKL</u>
----------------------------------	-----------	----------------------------------	---------------------------