

30-039-24853

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

Operator Meridian Oil Inc. Location: Unit Sec. 30 Twp 28 Rng 6
Name of Well/Wells or Pipeline Serviced San Juan 30-6 Unit No. 411
Well
Elevation Completion Date 11-27-90 Total Depth 495' Land Type P
Casing Strings, Sizes, Types & Depths 8" dia. PVC to a depth
of 20' below grade.
If Casing Strings are cemented, show amounts & types used 5 each 90 lb.
bags of Sackrete.
If Cement or Bentonite Plugs have been placed, show depths & amounts used
NA = None
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Damp Grey Sandstone from 180' to 210'
Muddy - Fresh Water
Depths gas encountered: None - NA
Ground bed depth with type & amount of coke breeze used: 495' Deep with
99.9% Carbon Coke Breeze (Loreco SWB) = 5,700 lbs.
Depths anodes placed: 195', 155', 280', 290', 350', 360', 370', 380', 390', 400', 410', 420'
Depths vent pipes placed: 0 to 495' deep
Vent pipe perforations: From 195' to 495' deep
Remarks:

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

EXHIBIT A

Drilling Log (Attach Hereto) ☐Completion Date 11-27-90

CPS #		Well Name, Line or Plot:		Work Order #		State:		Ins. Union Check	
		<u>S. J. 28-6 # 411</u>						☐ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bl:			
<u>SW 30-28-6</u>		<u>2" X 60"</u>		<u>ANOTEC</u>		<u>6 3/4</u>			
Depth Drilled	Depth Logged	Drilling Rig Time		Total Lbs. Coke Used		Last Circulation Mnt'l Used		No. Sacks Used	
<u>500</u>	<u>495'</u>			<u>5700 #</u>					
Anode Depth		# 1		# 2		# 3		# 4	
<u>420</u>		<u>410</u>		<u>400</u>		<u>390</u>		<u>380</u>	
Anode Output (Amps)		# 1		# 2		# 3		# 4	
<u>3.9</u>		<u>3.2</u>		<u>3.3</u>		<u>3.1</u>		<u>3.0</u>	
Anode Depth		# 11		# 12		# 13		# 14	
<u>155'</u>		<u>145'</u>							
Anode Output (Amps)		# 11		# 12		# 13		# 14	
<u>5.5</u>		<u>3.4</u>							
Total Circuit Resistance				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used	
Volts <u>12.1</u>		Amps <u>16.5</u>		Ohms <u>.73</u>					

Remarks: SET 20' of 8" PVC CASING. DRILLER SAID WET 440' NEXT AM
did NOT Blow water. Did NOT get water sample. Ran 500' of 1" PVC
VENT Pipe. Perforated 300' of VENT Pipe. # 9 + 10 ANODES BRIDGED
off and did NOT get COKE Breeze AROUND them. Ran # 11 + 12 ANODE
Left COKE Breeze APPROXIMATELY 100'

57 Sacks 7 coke Breeze

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10
 Ditch & 1 Cable: 15
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

William Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

30-6 # 411



O
G.B. #1



EXHIBIT B

DAY

Tuesday

DRILLER	Bob B.	LEFT TOWN	ARRIVED FIELD
HELPER	Dennis	LEFT FIELD	ARRIVED TOWN
HELPER	B. U. S.	TOTAL FOOTAGE TODAY	

RIG NO. 206 DATE 11-26-92 CLIENT Meridian

BEGIN WORK ON HOLE NO. Pan Juan Int #41A AT _____ FEET

BEGIN WORK ON HOLE NO. _____ AT _____ FEET

TIME		ACTIVITY
FROM	TO	
0	10	Brown sand
10	40	Brown sandstone & clay
40	100	grey shale & some clay
100	120	grey sandstone
120	140	grey shale
140	160	red shale & sandstone
160	180	grey shale
180	210	red shale
210	280	grey sandstone
280	300	grey shale
300	360	grey sandstone
360	430	grey shale
430	480	grey sandstone
480	500	grey shale

BIT RECORD		
SIZE & MAKE	SERIAL NO.	FOOTAGE
1 used	634 Hook	Bil
CIRCULATION MATERIAL		
QUAN.	UNIT	MATERIAL

NO. OF LOADS OF WATER 1 SOURCE EL PASO 29-6

san juan repr farm,nm Form 219-6

Meridian Oil

CPS #:

WELL NAME: 5730-6 # 411

LOCATION: S280286

DATE: 11-27-90

TOTAL VOLTS: 12.1 TOTAL AMPS: 16.5 OHMS RESISTANCE: .73

												ANODE HEADINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185			365	1.4		545			1	420	1.3	3.9
10			190			370	1.2	6	550			2	410	1.9	3.2
15			195			375	1.3		555			3	400	1.8	3.3
20			200	.70		380	1.2	5	560			4	390	1.4	3.7
25			205	.70		385	1.2		565			5	380	1.4	3.0
30			210	.70		390	1.3	4	570			6	370	1.5	3.6
35			215	.60		395	1.2		575			7	360	1.5	3.2
40			220	.60		400	1.4	3	580			8	350	1.6	2.8
45			225	.70		405	1.5		585			9	295	1.2	0
50			230	.60		410	1.7	2	590			10	285	1.4	0
55			235	.40		415	1.8		595			11	155	3.2	5.5
60			240	.40		420	1.3	1	600			12	145	1.3	3.4
65			245	.40		425	.70		605						
70			250	.50		430	.60		610						
75			255	.40		435	.60		615						
80			260	.40		440	.70		620						
85			265	.30		445	.80		625						
90			270	.30		450	.80		630						
95			275	.10		455	1.0		635						
100			280	1.3		460	1.0		640						
105			285	1.4	10	465	.90		645						
110			290	1.5		470	.70		650						
115			295	1.2	9	475	1.2		655						
120			300	1.0		480	1.6		660						
125	1.3		305	.70		485	1.4		665						
130	1.8		310	.60		490	1.6		670						
135	1.6		315	.60		495	1.6	TD	675						
140	1.2		320	.60		500			680						
145	1.1	12	325	.50		505			685						
150	1.9		330	.30		510			690						
155	2.5	11	335	.50		515			695						
160	2.1		340	.70		520			700						
165		TD	345	1.2		525			705						
170			350	1.3	8	530			710						
175			355	1.4		535			715						
180			360	1.3	7	540			720						

REMARKS: Set 20' of 8" PVC casing. Driller said not 440'. Next A.M. could not blow water. Did not get water sample. ANODES # 7 & 10 bridged off. Did not get coke around them.