

1412

30-039-24589

DATA SHEET FOR DEEP GROUND-BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit M Sec. 9 Twp 30 Rng 6Name of Well/Wells or Pipeline Serviced San Jaun 30- 6 # 405

cps 2163w

Elevation 6274 Completion Date 10/11 Total Depth 440' Land Type Casing Strings, Sizes, Types & Depths 20' 8" Pvc CasingIf Casing Strings are cemented, show amounts & types used 1 sack of Portland Cement

If 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. 280' SAMPLE TAKENDepths gas encountered: N/AGround bed depth with type & amount of coke breeze used: 440' and 6100#'s of coke breeze - petroleumDepths anodes placed: 310,300,290,280,240,230,220,210,200,190.Depths vent pipes placed: 430'Vent pipe perforations: 240'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.

A GROUP
NORTHWEST

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

#44

Drilling Log (Attach Hereto) ☐

Completion Date 10-12-90

CPS # <u>2162W</u>		Well Name, Line or Plant: <u>S.J. 30-6 #405</u>		Work Order #		Static:		Ins. Union Check ☒ Good ☐ Bad	
Location: <u>M9-30-6</u>		Anode Size: <u>2" X 60"</u>		Anode Type: <u>ANOTEC</u>		Size Bit: <u>6 3/4"</u>			
Depth Drilled: <u>440</u>		Depth Logged: <u>425'</u>		Drilling Rig Time		Total Lbs. Coke Used: <u>6100 #</u>		Lost Circulation Mat'l Used	
Anode Depth									
# 1 <u>310</u>	# 2 <u>300</u>	# 3 <u>290</u>	# 4 <u>280</u>	# 5 <u>240</u>	# 6 <u>230</u>	# 7 <u>220</u>	# 8 <u>210</u>	# 9 <u>200</u>	# 10 <u>190</u>
Anode Output (Amps)									
# 1 <u>3.3</u>	# 2 <u>4.7</u>	# 3 <u>4.5</u>	# 4 <u>3.8</u>	# 5 <u>3.2</u>	# 6 <u>4.6</u>	# 7 <u>5.7</u>	# 8 <u>5.4</u>	# 9 <u>4.4</u>	# 10 <u>5.9</u>
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 <u>12.2</u>		Amps <u>17.2</u>		Ohms <u>.70</u>					

Remarks: Set 20' of 8" PVC casing. Driller said wet at 280' waited 30 minutes
Blew water, Got water sample. Drilled to 440', hole did not log good in bottom
of hole. Water level seemed to hold at 200'. Loaded middle + top of hole
For 440' of 1" Vent Pipe. Perforated 240' of Vent Pipe. Left coke
Breeze approximately 160'

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

Willis Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

① G.B. #1

6274

30-6 #405



CONSTRUCTION LOGGING READINGS

1. RIDION OIL

CPS #:

WELL NAME: J.J. 30-6 #405 LOCATION: M9-30-6 DATE: 10-12-70

TOTAL VOLTS: 12.2

TOTAL AMPS: 17.2

OHMS RESISTANCE: 70

Log #2

209 #2

												ANODE READINGS			
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	1.4		365			545			1	310	1.8	3.3
10			190	1.3	10	370			550			2	300	2.2	4.7
15			195	1.1		375			555			3	290	2.1	4.5
20			200	1.2	9	380			560			4	280	2.2	3.8
25			205	1.9		385			565			5	240	1.2	3.2
30			210	2.1	8	390			570			6	230	1.8	4.6
35			215	2.2		395			575			7	220	2.6	5.7
40			220	2.4	7	400			580			8	210	2.3	5.4
45			225	2.4		405			585			9	200	1.5	4.4
50			230	1.8	6	410			590			10	190	2.4	5.9
55			235	1.6		415			595						
60			240	1.0	5	420			600						
65			245	.50		425			605						
70			250	.30		430			610						
75			255	1.20		435			615						
80			260	4.0		440			620						
85			265	.50		445			625						
90			270	.50		450			630						
95			275	1.5		455			635						
100			280	1.9	4	460			640						
105			285	1.8		465			645						
110			290	1.8	3	470			650						
115			295	1.9		475			655						
120			300	1.9	2	480			660						
125			305	2.2		485			665						
130			310	1.6	1	490			670						
135			315	.70		495			675						
140			320	.50		500			680						
145			325	.50		505			685						
150			330			510			690						
155			335			515			695						
160			340			520			700						
165			345			525			705						
170			350			530			710						
175	1.60		355			535			715						
180	.50		360			540			720						

REMARKS:

See Log #1

CONSTRUCTION LOGGING READINGS

1. REGION 011

CPS 1:

WELL NAME: SJ 30-6#40.5

LOCATION: M-30-6

DATE: 10-11-90

TOTAL VOLTS:

TOTAL AMPS:

OHMS RESISTANCE:

Log # 1

209 1

												ANODE READINGS			
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	.50		545						
10			190			370	.40		550						
15			195			375	.50		555						
20		—	200	1.0	9	380	.50		560						
25			205	1.1		385	.60		565						
30			210	1.3	8	390	.50		570						
35			215	1.3		395	.60		575						
40			220	1.3	7	400	.60		580						
45			225	1.2		405	.60		585						
50			230	1.1	6	410	.90		590						
55			235	1.2		415	.70		595						
60			240	1.0	5	420	.70		600						
65			245	.50		425	.70	TD	605						
70			250	.40		430			610						
75			255	.20		435			615						
80			260	.30		440			620						
85			265	.50		445			625						
90			270	.50		450			630						
95			275	1.2		455			635						
100			280	1.9	4	460			640						
105			285	1.8		465			645						
110			290	1.9	3	470			650						
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120			300	1.9	2	480			660						
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145			325	.50		505			685						
150			330	.50		510			690						
155			335	.60		515			695						
160			340	.50		520			700						
165			345	.50		525			705						
170			350	.50		530			710						
175			355	.50		535			715						
180			360	.60		540			720						

REMARKS: Set 20' of 8" PVC Casing. DRILLER Said wet
 at 280' water 30 minutes. Blew water. Got
 Sample.

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

COMPANY MERIDIAN Oil DAILY DRILLING REPORT 10-11 19 90

WELL NAME: <u>SJ 30-6</u>	WELL NUMBER: <u>405</u>	SECTION: <u>9</u>	TOWNSHIP: <u>30</u>	RANGE: <u>6</u>
WATER AT: <u>280' WATER</u>		FEET: <u>440'</u>	HOLE MADE: <u>440'</u>	

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
0	18'	8" PUC - CEMENTED CASING	
18'	50'	SANDSTONE	
50'	80'	SHALE	
80'	100'	SANDSTONE	
100'	120'	SHALE	
120'	150'	SANDSTONE / SHALE MIX.	
150'	170'	SHALE	
170'	180'	SAND - moisture	
180'	230'	SHALE	
230'	260'	SANDSTONE - sand mix.	
260'	280'	SAND - moisture / WATER	
280'	320'	SHALE	
320'	340'	SAND / SHALE MIX.	
340'	400'	SHALE	
400'	420'	SAND / SHALE MIX.	
420'	440'	SHALE	

REMARKS:

Set 20' 8" Plastic Casing to 18' in 12 1/4" hole cemented. Drilled hole dry to 280', Blew water & went to injection.

Driller

R. S. Hunt

Tool Dresser

Foreman: Mark D. McFarland

STRICKCO

Water Analysis Laboratories

FARMINGTON, NEW MEXICO 87401

File WA/0189/90

Company MERIDIAN OIL INC. Well Name S.J.30-6 #405 Sample No. 1

Formation San Jose Depth 280' Sampled From N/A

Location Sec.9, T30N-R9W Field Blanco County Rio Arriba State N.M.

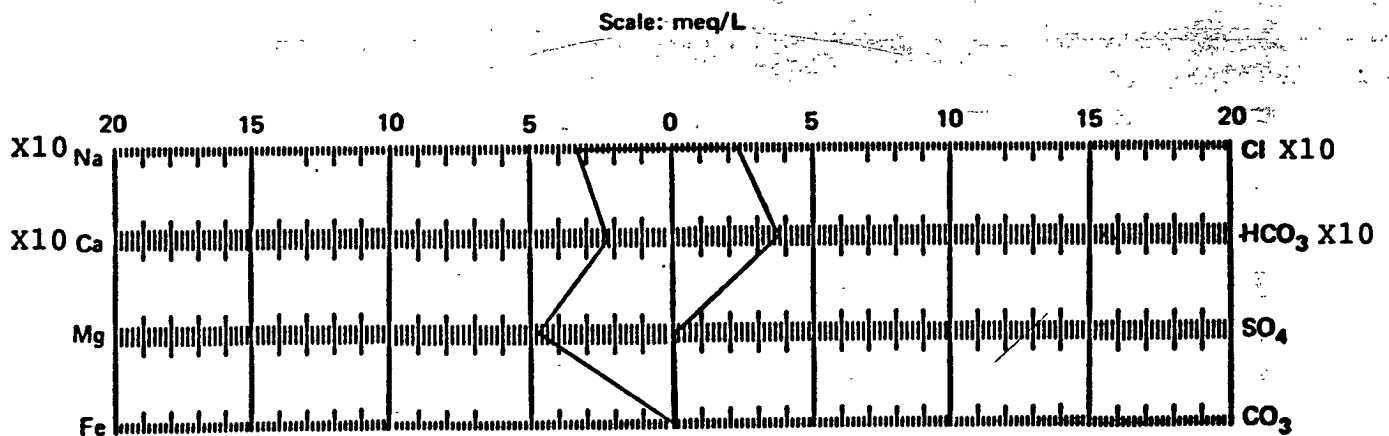
Date Sampled 10/11/90 Date Analyzed 10/15/90 Engineer WDS

Sampled by: Willis Knight Jr.

Total Dissolved Solids 4,474 mg/L calculated Sp. Gr. 1.002 @ 70 °F.

Resistivity 1.90 ohm-meters @ 70 °F. measured pH 6.84 @ 70 °F. measured

Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	<u>34</u>	<u>782</u>	Chloride	<u>24.0</u>	<u>852</u>
Calcium	<u>23.2</u>	<u>464</u>	Bicarbonate	<u>38.0</u>	<u>2,318</u>
Magnesium	<u>4.8</u>	<u>58</u>	Sulfate	<u>-0-</u>	<u>-0-</u> (Grav.)
Iron	<u>-0-</u>	<u>-0-</u>	Carbonate	<u>-0-</u>	<u>-0-</u>
Hydrogen Sulfide	<u>-0-</u>		Hydroxide	<u>-0-</u>	<u>-0-</u>



All analyses except iron determination performed on a filtered sample.