

30-039-24589

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

Operator Meridian Oil Location: Unit Sec. 9 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced San Jaun 30- 6 # 405

Elevation Completion Date 10/11 Total Depth 440' Land Type

Casing Strings, Sizes, Types & Depths 20' 8" Pvc Casing

If 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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 280'

Depths gas encountered:

Ground bed depth with type & amount of coke breeze used:

440' and 6100#'s of coke breeze - petroleum

Depths anodes placed: 310,300,290,280,240,230,220,210,200,190.

Depths vent pipes placed: 430'

Vent pipe perforations: 240'

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

#44

Drilling Log (Attach Hereto) ☐Completion Date 10-12-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check																																																												
2162W	S.S. 30-6 #405			☒ Good ☐ Bad																																																												
Location: M9-30-6 Anode Size: 2" X 60" Anode Type: ANOTEC Size Bit: 6 3/4"																																																																
Depth Drilled 440	Depth Logged 425'	Drilling Rig Time	Total Lbs. Coke Used 6100 #	Lost Circulation Mat'l Used																																																												
No. Sacks Mud Used																																																																
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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. Ran 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

Wills Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH

RECEIVED

OCT 24 1990

OIL CON. DIV.
DIST. 3

O.G.B. #1

30-6 #405

N

Meridian Oil

CPS #:

WELL NAME: SJ. 30-6#405

LOCATION: M9-30-6

DATE: 10-11-90

TOTAL VOLTS:

TOTAL AMPS:

OHMS RESISTANCE:

Log #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						
115			295	1.8		475			655						
120			300	1.9	2	480			660						
125			305	2.1		485			665						
130			310	1.7	1	490			670						
135			315	.70		495			675						
140			320	.60		500			680						
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' waited 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" PVC - CEMENTED CASING	
18'	30'	SANDSTONE	
30'	80'	SHALE	
80'	100'	SANDSTONE	
100'	120'	SHALE	
140'	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

B.W. 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

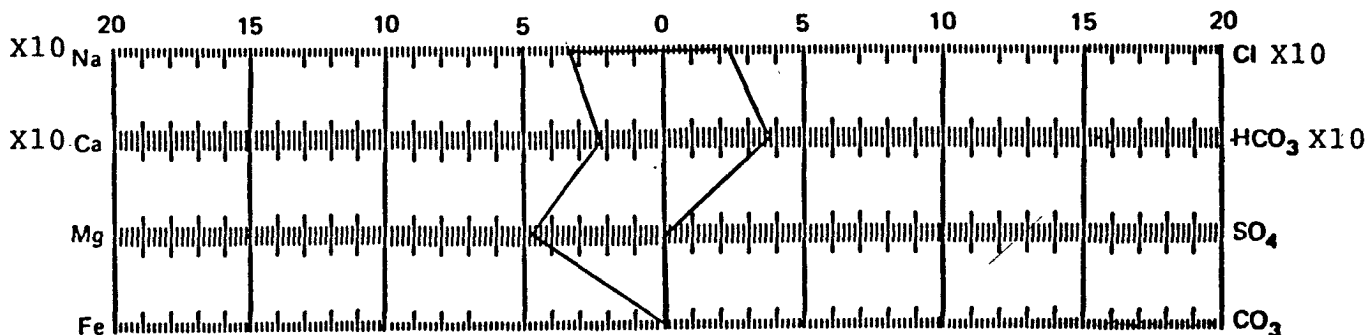
Sampled by: Willis Knight Jr.

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>

Scale: meq/L



All analyses except iron determination performed on a filtered sample.