

30 - 30-039-01396

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

87- 30-039- 20471

Operator MERIDIAN OIL CO. Location: Unit B Sec. 22 Twp. 28 Rng. 5

Name of Well/Wells or Pipeline Serviced San Juan 28-5 # 30 & 87

Elevation _____ Completion Date 9/12/90 Total Depth 380 Land Type _____

Casing Strings, Sizes, Types & Depths 20 ft. 8" PVC Casing

If Casing Strings are cemented, show amounts & types used _____

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. 180 ft. got water sample

Depths gas encountered: _____

Ground bed depth with type & amount of coke breeze used: 355 ft.

Ashbury Petroleum Coke

Depths anodes placed: 340, 320, 310, 300, 290, 265, 255, 245, 235, 225

Depths vent pipes placed: 355 ft. PVC Vent Pipe

Vent pipe perforations: 240 ft. perforated

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

Drilling Log (Attach Hereto) ☐Completion Date 9-12-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1125-W	SJ 28-5 #30 SJ 28-5 #87			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
B22-28-5	2" X 60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
380'	355			
Anode Depth				
# 1 340	# 2 320	# 3 310	# 4 300	# 5 290
# 6 265	# 7 255	# 8 245	# 9 235	# 10 225
Anode Output (Amps)				
# 1 4.1	# 2 4.3	# 3 4.9	# 4 5.1	# 5 4.9
# 6 4.8	# 7 4.7	# 8 4.4	# 9 4.9	# 10 5.0
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 12.3	Amps 18	Ohms .68		

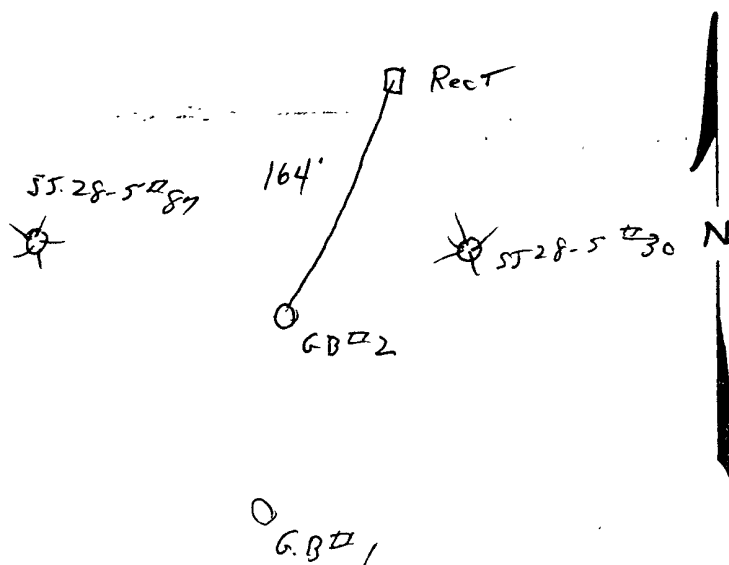
Remarks: SET 20' OF 8" PVC CASING. DRILLER SOLD WATER AT 180'. GOT WATER
SAMPLE. WATER STANDING AT 110' NEXT A.M. RAN 355' OF 1" PVC
VENT PIPE. PERFORATED 240' OF VENT PIPE. LEFT COKE BREEZE
AT APPROXIMATELY 190'

Rectifier Size: _____ V _____ A
Addn'l Depth: _____
Depth Credit: _____
Extra Cable: 10'
Ditch & 1 Cable: 164
25' Meter Pole: _____
20' Meter Pole: _____
10' Stub Pole: _____
Junction Box: 1

All Construction Completed

William Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



CONSTRUCTION LOGGING READINGS

Meridian 011

CPS #: 1125-W WELL NAME: SJ 28-5 #30+87 LOCATION: B22-285 DATE: 9-12-90

TOTAL VOLTS: 12.3 TOTAL AMPS: 18.0 OHMS RESISTANCE: .68

												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	.60		365			545			1	340	1.6	4.1
10			190	.60		370			550			2	320	1.6	4.3
15			195	.60		375			555			3	310	2.2	4.9
20			200	1.1		380			560			4	300	2.0	5.1
25			205	2.1		385			565			5	290	1.8	4.9
30			210	1.8		390			570			6	265	1.8	4.8
35			215	1.4		395			575			7	255	1.6	4.7
40			220	1.2		400			580			8	245	1.4	4.4
45			225	1.8	10	405			585			9	235	1.5	4.4
50			230	2.1		410			590			10	225	1.9	5.0
55			235	1.4	9	415			595						
60			240	1.3		420			600						
65			245	1.4	8	425			605						
70			250	1.5		430			610						
75			255	1.6	7	435			615						
80			260	1.9		440			620						
85			265	1.7	6	445			625						
90			270	.90		450			630						
95			275	.50		455			635						
100			280	.60		460			640						
105			285	.80		465			645						
110			290	1.8	5	470			650						
115			295	1.9		475			655						
120			300	2.0	4	480			660						
125			305	1.7		485			665						
130			310	2.2	3	490			670						
135			315	2.1		495			675						
140			320	1.6	2	500			680						
145			325	.70		505			685						
150	.80		330	.70		510			690						
155	.50		335	1.8		515			695						
160	1.70		340	1.6	1	520			700						
165	2.0		345	1.4		525			705						
170	2.0		350	.80		530			710						
175	.60		355	.80	70	535			715						
180	.60		360			540			720						

REMARKS: Driller. Said water at 180'. Got water sample.
 Set 20' of 8" PVC casing - water standing at
 110' next A.M.

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

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company MERIDIAN OIL COMPANY		Sample No. CPS 1125-W	Date Sampled 12th Sept, 1990.
Field	Legal Description	County or Parish	State
Lease or Unit	Well SJ 28-5 #30 & 87	Depth	Formation
Type of Water (Produced, Supply, etc.)		Water, B/D	Sampled By M.D. M FARLAND
		Sampling Point 180'	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>235</u>	<u>10.22</u>
Calcium, Ca	<u>8</u>	<u>0.40</u>
Magnesium, Mg	<u>6</u>	<u>0.52</u>
Barium, Ba	<u>-</u>	<u>-</u>

OTHER PROPERTIES

pH	<u>9.00</u>
Specific Gravity, 60/60 F.	<u>0.9980</u>
Resistivity (ohm-meters) <u>66.2</u> F.	<u>11.4</u>

Total Dissolved Solids (calc.)

827

ANIONS

Chloride, Cl	<u>23</u>	<u>0.64</u>
Sulfate, SO_4	<u>131</u>	<u>2.73</u>
Carbonate, CO_3	<u>48</u>	<u>1.6</u>
Bicarbonate, HCO_3	<u>376</u>	<u>6.17</u>

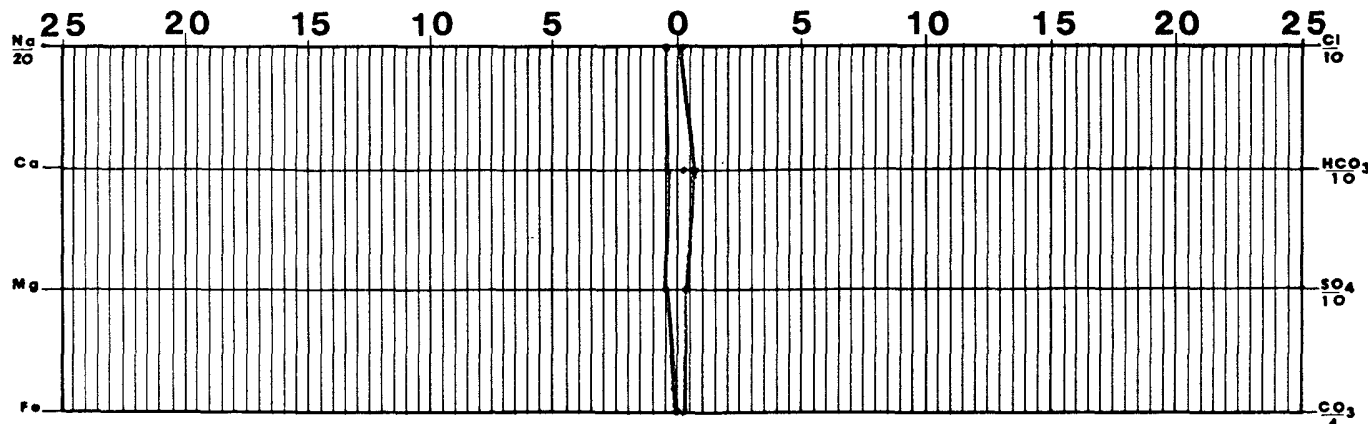
Iron, Fe (total)

Sulfide, as H_2S

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REMARKS & RECOMMENDATIONS:



Date Received 17th Sept., 1990.	Preserved	Date Analyzed 18th Sept, 1990.	Analyzed By R. + I.
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