

1075

20-30-039-06844

145-30-039-20468

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit NE Sec. 35 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JAUN 27-5 UNIT #20, #145

cps 1800w

Elevation 6667' Completion Date 11/4/85 Total Depth 340' Land Type* N/A

Casing, Sizes, Types & Depths 40' OF 8" PVC SURFACE PIPE

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 130' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 265', 240', 230', 220', 210', 200', 190', 175', 165', 155'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: (gb #1

RECEIVED

MAY 31 1991

**OIL CON. P
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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☒Completion Date 11/4/85CPS # 1800W Well Name, Line or Plant: 27-5 #20 Work Order # 59202 Static .66 Ins. Union Check

	<u>27-5 #145</u>	<u>54981</u>	<u>.68</u>	☒ Good ☐ Bad
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Location: NE35-27-5 Anode Size: 2" x 60" Anode Type: DURIRON Size Bit: 6 3/4"

Depth Drilled 340 Depth Logged 305 Drilling Rig Time _____ Total Lbs. Coke Used _____ Lost Circulation Mat'l Used _____ No. Sacks Mud Used _____

Anode Depth
1 265 # 2 240 # 3 230 # 4 220 # 5 210 # 6 200 # 7 190 # 8 175 # 9 165 # 10 155

Anode Output (Amps)
1 5.1 # 2 3.3 # 3 4.5 # 4 4.4 # 5 5.0 # 6 5.5 # 7 4.4 # 8 4.5 # 9 5.2 # 10 4.6

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 _____

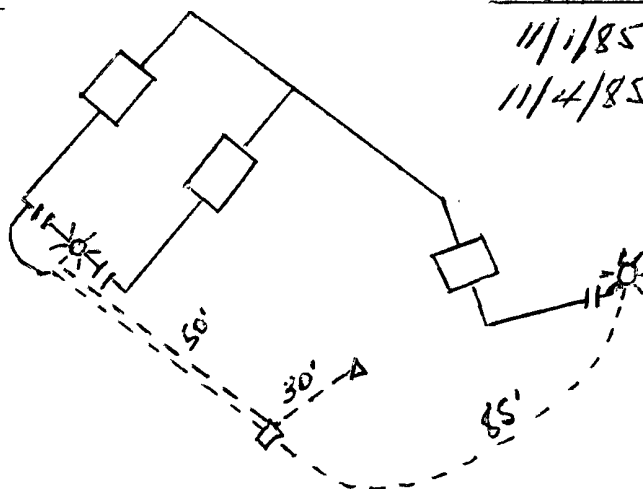
Total Circuit Resistance
Volts 12.45 Amps 19.5 Ohms .63 No. 8 C.P. Cable Used _____ No. 2 C.P. Cable Used _____

Remarks: Water at 130' Blowed sample. One hour rig time to set 40' - 8" pvc surface pipe.

Rectifier Size: 60 V 30 A-1150
Addn'l Depth _____
Depth Credit: -195' x 3.00 = 585.00
Extra Cable: 90' x .37 = 33.30
Ditch & 1 Cable: 165' x 1.35 = 222.75
25' Meter Pole: 1 - 550.00
20' Meter Pole: _____
10' Stub Pole: _____

4740.00
- 585.00
 33.30
 222.75
 1150.00
 550.00
 300.00
6411.05

GROUND BED LAYOUT SKETCH



All Construction Completed

BT

TIME (Signature)

DATE	REG	OT
11/1/85	8	
11/4/85	8	1

66667

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-11814
OPERATOR: MERIDIAN OIL
LOCATION: 35-27-5
FIELD: GOVERNADOR
SAMPLED FROM: GROUND BED AT 130 FEET
DATE SAMPLED: 11/1/85
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: DECEMBER 3, 1985
WELL NAME: SAN JUAN 27-5 #20 CPS 1800W
COUNTY RIO ARriba STATE: NEW MEXICO
FORMATION: SURFACE
SECURED BY: BILL TATUM
CASING PRESSURE:

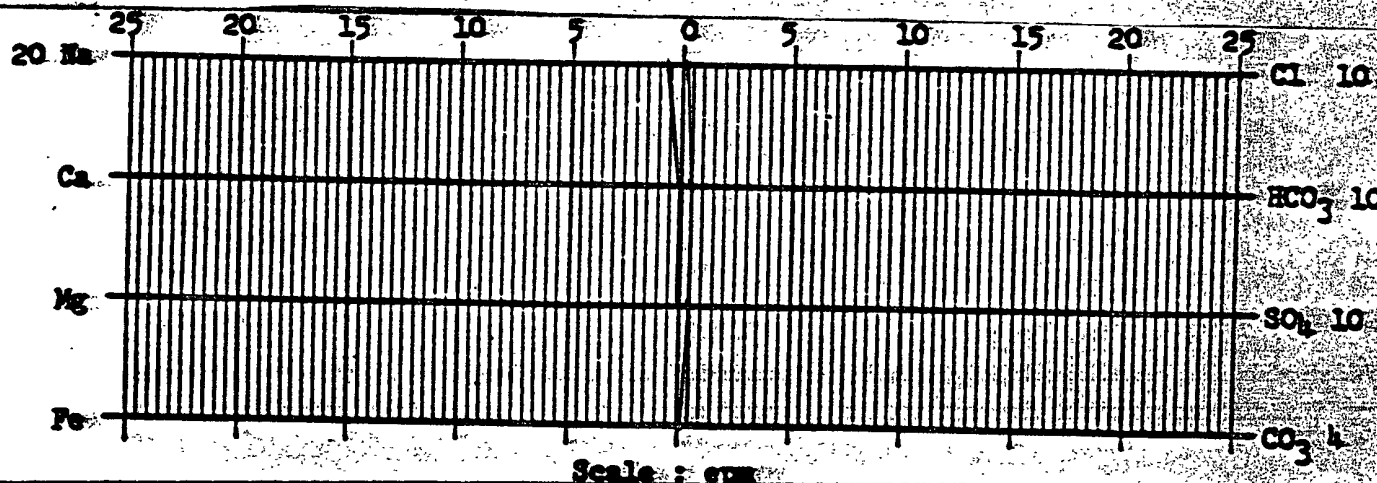
	SAMPLE SIZE	ml.	TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50		14.1	282		
P ALKALINITY	50		.8	16		
BICARBONATE	50		12.5	250	305	5.00
CARBONATE	50		1.6	32	19	0.64
CHLORIDE	50		2.7		54	1.52
SULFATE					245	5.10
TOTAL HARDNESS	50		0	0		
CALCIUM	50		0	0	0	0.00
MAGNESIUM	50		0	0	0	0.00
IRON						
SODIUM (CALCULATED)					282	12.26
H ₂ S						
HYDROCARBONS						
TOTAL DISSOLVED SOLIDS					706	
pH					8.9	
SPECIFIC GRAVITY				.9997 AT 60F		
RESISTIVITY				893 OHM-CM AT 72		
CONDUCTIVITY				1120 MICROMHOS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

CC: R. A. ULLRICH
J. D. EVANS
D. C. ADAMS
E. R. PAULEK
W. B. SHROPSHIRE
FILE

DENNIS BIRD

CHEMIST *GCK*



EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 1800W WELL NAME: 27-5 # 20 27-5 # 145 LOCATION: NE 35-27-5 DATE: 11/4/85 11/1/85
TOTAL VOLTS: 12.45 TOTAL AMPS: 19.5 OHMS RESISTANCE: .63

												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	2.0	5	365			545			1	265	3.0	5.1
10			190	2.2	7	370			550			2	240	1.8	3.3
15			195	1.9	5	375			555			3	230	2.3	4.5
20			200	2.8	6	380			560			4	220	2.1	4.4
25			205	2.7		385			565			5	210	2.5	5.0
30			210	2.5	5	390			570			6	200	2.4	5.5
35			215	2.0		395			575			7	190	2.1	4.4
40			220	2.5	4	400			580			8	175	1.9	4.5
45			225	2.6		405			585			9	165	2.7	5.2
50			230	2.0	5	410			590			10	155	2.4	4.6
55			235	2.3		415			595						
60			240	1.9	2	420			600						
65			245	1.7		425			605						
70			250	1.3		430			610						
75			255	1.1		435			615						
80			260	1.1		440			620						
85			265	1.1		445			625						
90			270	3.0	1	450			630						
95			275	2.2		455			635						
100			280	.9		460			640						
105			285	.7		465			645						
110			290	.7		470			650						
115	.5		295	.7		475			655						
120	1.1		300	.7		480			660						
125	.9		305			485			665						
130	.9		310			490			670						
135	.9		315			495			675						
140	2.0		320			500			680						
145	2.5		325			505			685						
150	2.3		330			510			690						
155	2.5	10	335			515			695						
160	3.0		340			520			700						
165	2.6	9	345			525			705						
170	2.1		350			530			710						
175	2.0	8	355			535			715						
180	2.2		360			540			720						

REMARKS:

C.P.S. 1800-W

DAILY DRILLING REPORT

LEASE <u>SJ 275/25-5</u> WELL NO. <u>#20 #145</u> CONTRACTOR					RIG NO.					REPORT NO.					DATE <u>11/4/85</u> 19				
MORNING					DAYLIGHT					EVENING									
Driller <u>Tim C Riffel</u> Total Men In Crew <u>4</u>					Driller					Driller									
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.					
BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.			BIT NO.		NO. DC SIZE LENG.							
SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS							
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES							
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY							
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH							
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		MUD RECORD			MUD, ADDITIVES USED AND RECEIVED						
Time	Wt.	Vis.			Time	Wt.	Vis.			Time	Wt.	Vis.							
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN							
REMARKS -					REMARKS -					REMARKS -									
2-120 SAND / SANDY BROWN SHALE					SET 40' OF SURFACE CASING														
120-140 WATER SAND (WATER)					1 HOUR RIG TIME														
140-300 BLUE / RED SHALE																			
300-360 SANDY BLUE SHALE																			
DRILLED 360 FT																			
T.D. 305																			

SIGNED: Toolpusher

Tim C Riffel

Company Supervisor