

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 5Name of Well/Wells or Pipeline Serviced SAN JAUN 27-5 UNIT #20, #145cps 1800wElevation 6667' Completion Date 11/4/85 Total Depth 340' Land Type* N/ACasing, Sizes, Types & Depths 40' OF 8" PVC SURFACE PIPEIf Casing is cemented, show amounts & types used N/AIf 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 TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 265', 240', 230', 220', 210', 200', 190', 175', 165', 155'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: (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 11/4/85

CPS # <u>1800W</u>		Well Name, Line or Plant: <u>27-5 #20</u>		Work Order # <u>59202</u>		Static: <u>.66</u>		Ins. Union Check	
		<u>27-5 #145</u>		<u>54981</u>		<u>.68</u>		☒ Good ☐ Bad	
Location: <u>NE35-27-5</u>		Anode Size: <u>2" x 60"</u>		Anode Type: <u>DURIRON</u>		Size Bit: <u>6 3/4"</u>			
Depth Drilled: <u>340</u>		Depth Logged: <u>305</u>		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
No. Sacks Mud Used									
Anode Depth									
# 1 <u>265</u>	# 2 <u>240</u>	# 3 <u>230</u>	# 4 <u>220</u>	# 5 <u>210</u>	# 6 <u>200</u>	# 7 <u>190</u>	# 8 <u>175</u>	# 9 <u>165</u>	# 10 <u>155</u>
Anode Output (Amps)									
# 1 <u>5.1</u>	# 2 <u>3.3</u>	# 3 <u>4.5</u>	# 4 <u>4.4</u>	# 5 <u>5.0</u>	# 6 <u>5.5</u>	# 7 <u>4.4</u>	# 8 <u>4.5</u>	# 9 <u>5.2</u>	# 10 <u>4.6</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									
Volts <u>12.45</u>		Amps <u>19.5</u>		Ohms <u>.63</u>		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.

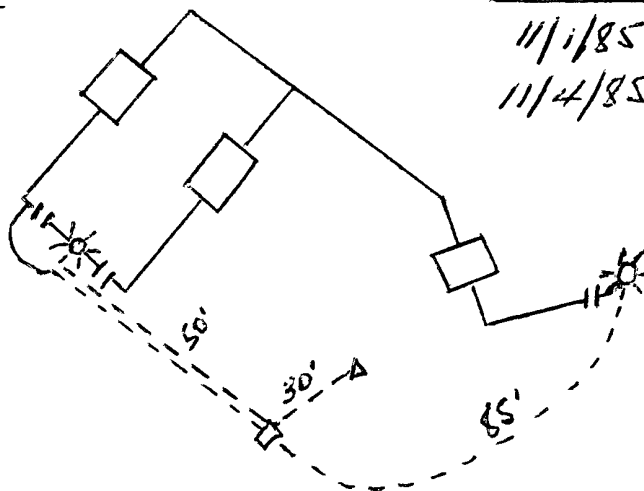
Rectifier Size: 60 V 30 A-1150
 Addn'l Depth _____
 Depth Credit: -195 x 3.00 = 585.00
 Extra Cable: 90' x .37 = 33.30
 Ditch & 1 Cable: 165' x 1.35 = 222.75
 25' Meter Pole: 1 - 550.00
 20' Meter Pole: _____
 10' Stub Pole: _____

4740.00
 - 585.00
 33.30
 222.75
 1150.00
 550.00
 300.00
 # 6411.05

All Construction Completed

BT

GROUND BED LAYOUT SKETCH



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: GOBERNADOR
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
COUNTY: RIO ARriba STATE: NEW MEXICO
FORMATION: SURFACE

SECURED BY: BILL TATUM
CASING PRESSURE:

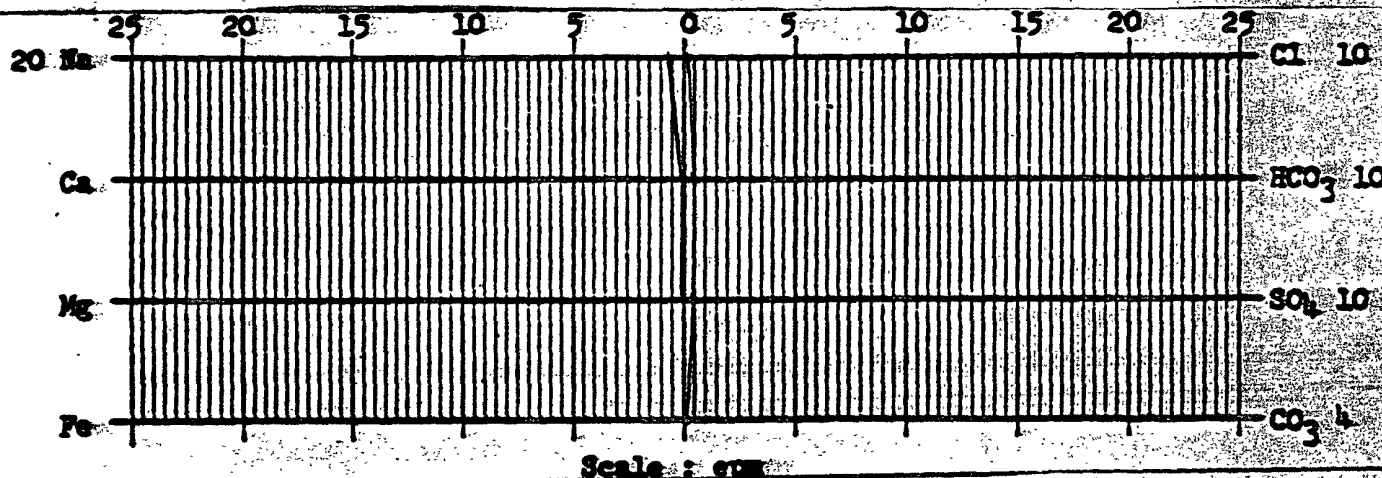
	SAMPLE SIZE	ml.	TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50		14.1	282		
P ALKALINITY	50		.8	16		
BICARBONATE	50		12.5	250	305	5.00
CARBONATE	50		1.6	32	19	0.64
CHLORIDE	50		2.7		54	1.52
SULFATE					245	5.10
TOTAL HARDNESS	50		0	0		
CALCIUM	50		0	0	0	0.00
MAGNESIUM	50		0	0	0	0.00
IRON						
SODIUM (CALCULATED)					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

27-5 # 20
CPS #: 1800W WELL NAME: 27-5 # 145 LOCATION: NE 35-27-5 DATE: 11/4/85
TOTAL VOLTS: 12.45 TOTAL AMPS: 19.5 OHMS RESISTANCE: 1.63

												ANODE READINGS			
DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG 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	335			515			695							
160	3.0	340			520			700							
165	2.6	345			525			705							
170	2.1	350			530			710							
175	2.0	355			535			715							
180	2.2	360			540			720							

REMARKS:

LEASE S.J. 27-5-125-5 WELL NO. #20 #145 CONTRACTOR

RIG NO.

REPORT NO.

DATE 11/4/85

19

MORNING

Driller TIM C RIFFEL Total Men In Crew 4

DAYLIGHT

Driller	Total Men In Crew
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
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83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

EVENING

Driller	Total Men In Crew
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[illegible]

	NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____
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

[illegible][illegible]

REMARKS -

7-120 SAND / SANDY BROWN SHALE
120-140 WATER SAND ((WATER))
140-300 BLUE / RED SHALE
300-360 SANDY BLUE SHALE

DRILLED 360 FT

T.O. 305

REMARKS -

SET 40^{FT} OF SURFACE CASING
1 HOUR RIG TIME

REMARKS -

SIGNED: Toolpusher

Tami C. Russell

____ Company Supervisor