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30-039.22234

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

Operator MERIDIAN OIL Location: Unit SE Sec. 13 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #71A

cps 1615w

Elevation 6493' Completion Date 10/9/81 Total Depth 450' Land Type* N/A

Casing, Sizes, Types & Depths N/A

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. 90' - 115' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 405', 370', 350', 315', 290', 260', 240', 225', 205', 185'

Depths vent pipes placed: 450'

Vent pipe perforations: 350'

Remarks: gb #1

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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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 10-9-81

Well Name <u>SJ 28-6 #71A</u>		Location <u>SE 13-28-6</u>		CPS No. <u>1615W</u>	
Type & Size Bit Used <u>6 3/4 KNIFE DR. STATIC = .858</u>				Work Order No. <u>57851-21-50-2</u>	
Anode Hole Depth <u>450 LOG 425</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>4500</u>	Lost Circulation Mat. Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>405</u>	# 2 <u>370</u>	# 3 <u>350</u>	# 4 <u>315</u>	# 5 <u>290</u>	# 6 <u>260</u>
# 7 <u>240</u>	# 8 <u>225</u>	# 9 <u>205</u>	# 10 <u>185</u>		
Anode Output (Amps)					
# 1 <u>2.15</u>	# 2 <u>3.22</u>	# 3 <u>3.38</u>	# 4 <u>2.54</u>	# 5 <u>2.82</u>	# 6 <u>3.26</u>
# 7 <u>3.32</u>	# 8 <u>4.34</u>	# 9 <u>4.31</u>	# 10 <u>3.50</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>11.8</u>	Amps <u>17.4</u>	Ohms <u>.67</u>			

Remarks: DAMP 90-115 DRILL TO 120 SET 30 MIN
BLOW SAMPLE 100' 1" PLAIN VENT PIPE
BALANCE PERFORATED.

DITCH #1 CABLE: 240' ✓
XTRA CABLE = 100' ✓
HOLE = -75' ✓

All Construction Completed

BT
(Signature)

GROUND BED LAYOUT SKETCH

TIME 10-9-81 REG 8 OT 2 ✓

GNDBED

160'

80'

40-16 ✓

STAB POLE ✓

DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

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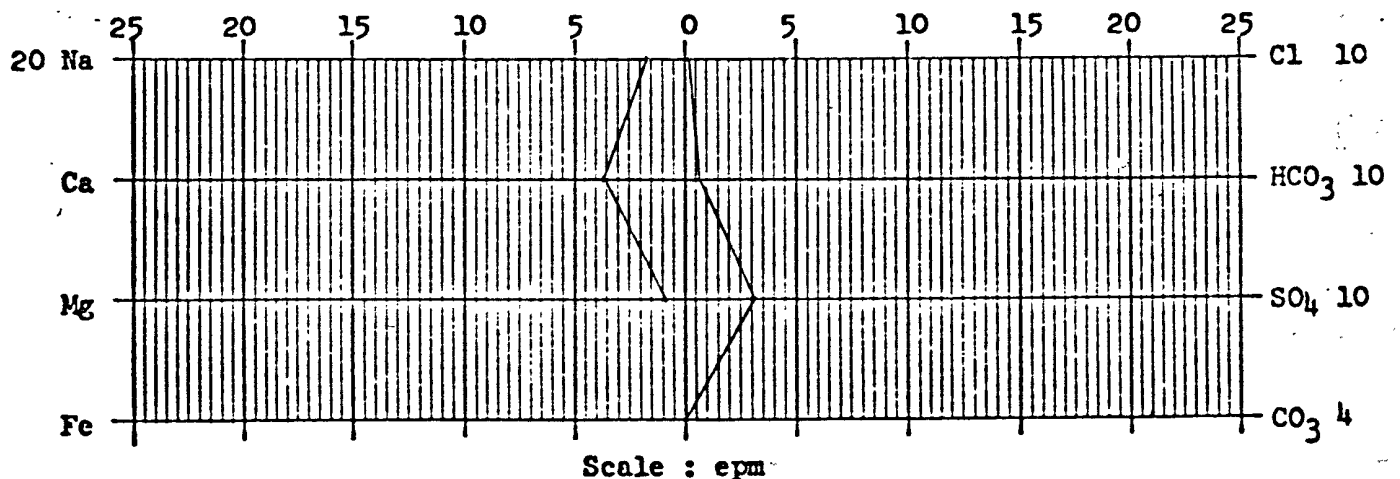
57851-21-50-i

$$\underline{.67} = .67$$

#	Height	Time	Time	Time	Time
1	405'	1.28	2.15	70	1.86
2	370'	2.07	3.22	75	1.64
3	350'	2.10	3.38	80	1.03
4	315'	1.38	2.54	85	1.08
5	290'	1.35	2.82	90	.88
6	260'	1.61	3.26	95	1.11
7	240'	1.58	3.32	400	1.12
8	225'	2.46	4.34	5	1.25
9	205'	2.68	4.31	10	1.26
10	185'	2.40	3.50	15	1.21
				20	
				25	→ T

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

Analysis No. 1-10415 Date 11-3-81
Operator EPNG Well Name SAN JUAN 28-6 #71A CPS 1615 W
Location SE 13-28-6 County Rio Arriba State New Mexico
Field CEDAR HILL Formation _____
Sampled From 115'
Date Sampled 10-14081 By _____
Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____
Sodium 776 ppm 33.8 epm Chloride 40 ppm 1.1 epm
Calcium 71 ppm 3.6 epm Bicarbonate 359 ppm 5.9 epm
Magnesium 11 ppm 0.9 epm Sulfate 1500 ppm 31.2 epm
Iron _____ Carbonate 0 ppm 0 epm
H₂S _____ Hydroxide 0 ppm 0 epm
cc: R. A. Ullrich Total Solids Dissolved 2516
E. R. Paulek pH 8.15
J. W. McCarthy Sp. Gr. 0.9982 At _____ 60°F
J. D. Evans W. B. Shropshire Resistivity 278 ohm-cm at _____ °F
D. C. Adams File
Chemist



DAILY DRILLING REPORT

SE 13-28-6

1615 W

LEASE S.J. 28-6 WELL NO. 71A CONTRACTOR Savage Drilling Co. RIG NO. 2 REPORT NO. 10-919-81 DATE 10-9-81

MORNING						DAYLIGHT						EVENING					
Driller <u>Vick</u>			Total Men In Crew <u>2</u>			Driller			Total Men In Crew			Driller			Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.	
0'	10'	SURFACE SOIL				410'	435'	SAND + SHALE STRINGERS									
10'	90'	SAND + SANDY CLAY				435'	450'	SANDY CLAY									
90'	115'	SAND															
115'	410'	SHALE + SANDY CLAY															
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
S. L. 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		<u>450'</u>		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 -

WET SAND @ 90'

WATER @ 110'

REMARKS -

SIGNED: Toolpusher

J. Vick

Company Supervisor