

1377

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30-039-22235

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. 15 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #46A
cps 161lw

Elevation 6684' Completion Date 10/1/81 Total Depth 590' 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. DAMP 90' - 100', 190' - 200', 340' - 360', 450'

SAMPLE TAKEN

Depths gas encountered: N/A

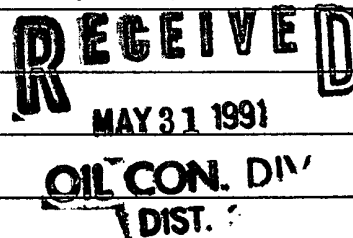
Type & amount of coke breeze used: N/A

Depths anodes placed: 530', 520', 510', 500', 490', 470', 460', 450', 440', 415'

Depths vent pipes placed: 550'

Vent pipe perforations: 350'

Remarks: gb #1



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 10-1-81

Well Name <u>ST 28-6 #46A</u>		Location <u>SE 15-28-6</u>		CPS No. <u>1611 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57848-21-50-20</u>	
Anode Hole Depth <u>590' LOG 550'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>530</u>	# 2 <u>520</u>	# 3 <u>510</u>	# 4 <u>500</u>	# 5 <u>490</u>	# 6 <u>470</u>
# 7 <u>460</u>	# 8 <u>450</u>	# 9 <u>440</u>	# 10 <u>415</u>		
Anode Output (Amps)					
# 1 <u>1.94</u>	# 2 <u>2.36</u>	# 3 <u>2.85</u>	# 4 <u>3.10</u>	# 5 <u>2.35</u>	# 6 <u>3.90</u>
# 7 <u>3.88</u>	# 8 <u>3.21</u>	# 9 <u>2.80</u>	# 10 <u>2.53</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts <u>11.53</u>	Amps <u>14.40</u>	Ohms <u>.80</u>			No. 2 C.P. Cable Used

Remarks: UNION SHORTED STATIC .88 BOTH SIDES OF UNION
DAMP 90'-100' SET OVER NIGHT. BLOW DAMP SAND. NO
WATER. DAMP 190'-200' SET 20 MIN. NO WATER. DAMP
340'-360' DRILL TO 400' SET 30 MIN. BLOW SAMPLE
MORE WATER AT 450' 200' 1" PLAIN VENT PIPE
BALANCE PERFORATED.

DITCH #1 CABLE = 265' ✓

XTRA CABLE = 224' ✓

HOLE = +50' ✓

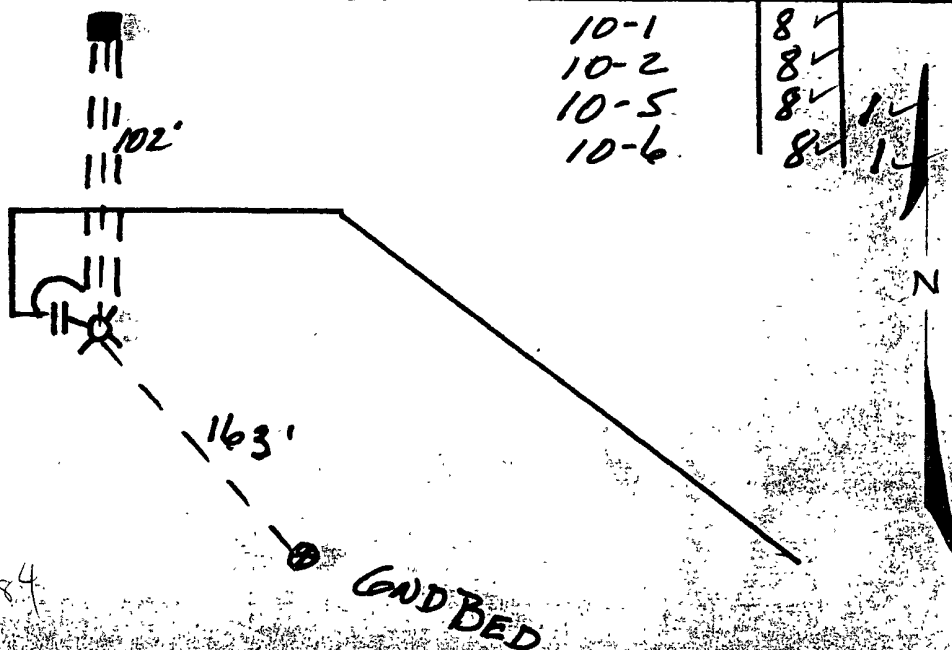
40/116 25' POLE ✓
GROUND BED LAYOUT SKETCH

All Construction Completed

BT

(Signature)

TIME	REG	OT
10-1	8 ✓	
10-2	8 ✓	
10-5	8 ✓	1 ✓
10-6	8 ✓	1 ✓



DISTRIBUTION:

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

1167
ST 28-6 #46A
SE 15-28-6

1611 W

UNION SHORTED CHECK
RYS. 88 BOTH SIDES
57848-21-50-20

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

DAMP 90-100' SET OVER NIGHT BLOW
DAMP SAND NO WATER. DAMP 190'-200'
SET FOR 20 MIN. NO WATER. DAMP 340-360
DRILL TO 400' SET 30 MIN. BLOW SAMPLE
MORE WATER AT 450'
200' 1" PLAIN VENT PIPE BALANCE PERFORATED
DRILLED TO 590 LOG TO 550

#2°

340	2.10	30	.47	20	1.39	②	10
45	1.91	35	.49	25	1.28		15
50	1.62	40	.67	30	1.22	①	20
55	1.25	45	1.25	35	1.15		25
60	.82	50	1.27	40	1.18		30
65	.65	55	1.63	45			35
70	.62	60	1.95	50	TD		40
75	.67	65	1.59	55			45
80	1.46	70	1.56	60			50
85	1.32	75	2.20	65			55
90	.72	80	1.49	70			60
95	.40	85	.88	75			65
400	.36	90	.65	80			70
5	.40	95	1.68	85			75
10	.76	500	1.82	90			80
15	1.09	5	1.75	95			
20	1.36	10	1.58	600			
25	.80	15	1.67	5			

MW	MISC	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

# 1	530	1.20	1.94
2	520	1.40	2.36
3	510	1.78	2.85
4	500	1.99	3.10
5	490	1.17	2.35
6	470	2.46	3.90
7	460	2.04	3.88
8	450	1.62	3.21
9	440	1.30	2.80
10	415	1.48	2.53

11.53 VOLTS
14.4 Amps
.80 Ω

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

Analysis No. 1-10418 Date 11-5-81

Operator EPNG Well Name SAN JUAN 28-6 #46A CPS 1631W

Location SE 15-28-6 County RIO ARriba State NEW MEXICO

Field CEDAR HILL Formation

Sampled From 360'

Date Sampled 10-14-81 By

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	<u>165</u>	<u>7.2</u>	Chloride	<u>14</u>	<u>0.4</u>

	ppm	epm		ppm	epm
Calcium	<u>24</u>	<u>1.2</u>	Bicarbonate	<u>293</u>	<u>4.8</u>

	ppm	epm		ppm	epm
Magnesium	<u>0</u>	<u>0</u>	Sulfate	<u>153</u>	<u>3.2</u>

	ppm	epm		ppm	epm
Iron	<u></u>	<u></u>	Carbonate	<u>0</u>	<u>0</u>

	ppm	epm		ppm	epm
H ₂ S	<u></u>	<u></u>	Hydroxide	<u>0</u>	<u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File
HCO₃ Taken To pH 4.0

Total Solids Dissolved 1,034

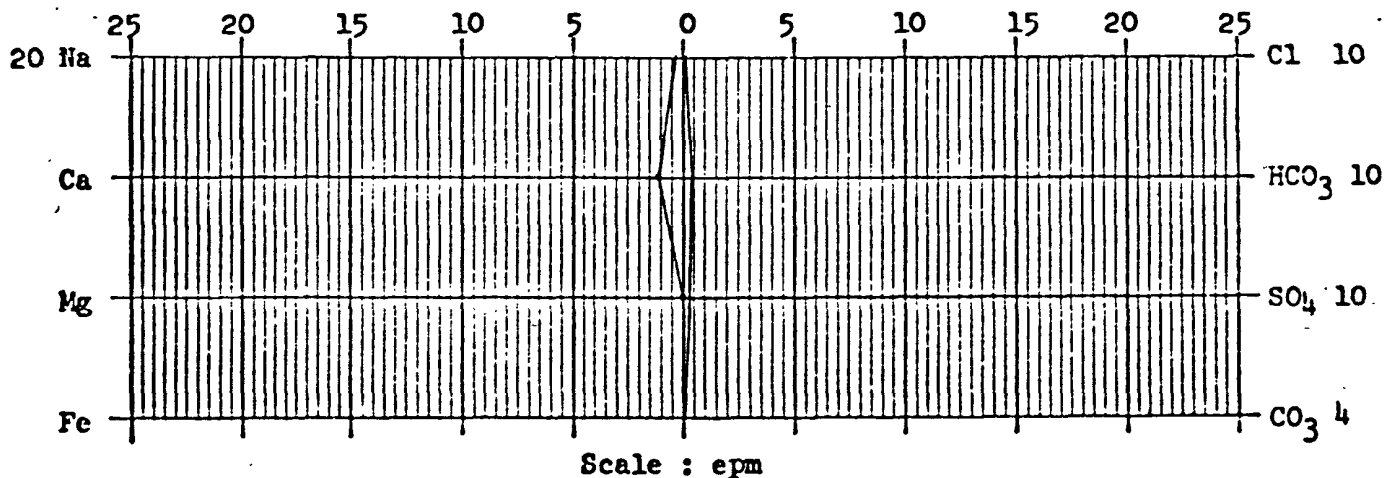
pH 7.8

Sp. Gr. 0.9963 At 60°F

Resistivity 1818 ohm-cm at 73 °F

DENNIS P. BIRD
Chemist

TPE



28-6 # 46A

SAVAGE DRILLING CO.

Weller

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO.

DATE

1980

MORNING

DAYLIGHT

EVENING

Driller				Total Men In Crew				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.											
6		50		SWEET SAND						190		200		DAMP SAND						550		590		SAND															
50		90		SAND CLAY						200		340		SAND SHALE																									
90		100		DAMP SAND						340		360		WATER SAND																									
100		190		SAND CLAY						360		550		SHALE																									
BIT NO.				NO. DC				SIZE				LENG.				BIT NO.				NO. DC				SIZE				LENG.											
S				L NO.				STANDS				SERIAL NO.				STANDS				SERIAL NO.				STANDS				NO. DC				SIZE				LENG.			
SIZE				SINGLES				DOWN ON KELLY				SIZE				SINGLES				DOWN ON KELLY				SIZE				SINGLES				DOWN ON KELLY							
TYPE				TOTAL DEPTH				MAKE				TYPE				TOTAL DEPTH				MAKE				TYPE				TOTAL DEPTH				MAKE							
MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				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 -

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REMARKS -

SIGNED: Toolpusher

Company Supervisor