

30-045-21981

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

Operator MERIDIAN OIL Location: Unit NW Sec. 19 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced MANSFIELD #2A

cps 124lw

Elevation 6168' Completion Date 6/20/78 Total Depth 275' Land Type* N/A

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

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc.	95'
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Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 265', 255', 245', 235', 225', 215', 205', 195', 130', 100'

Depths vent pipes placed: 280'

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
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 6-20-78

Well Name <u>MANSSFIELD #2-A</u>		Location <u>NW 19-30-9</u>		CPS No. <u>1241W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57195-21</u>	
Anode Hole Depth <u>275</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>265</u>	# 2 <u>255</u>	# 3 <u>245</u>	# 4 <u>235</u>	# 5 <u>225</u>	# 6 <u>215</u>
# 7 <u>205</u>	# 8 <u>195</u>	# 9 <u>130</u>	# 10 <u>100</u>		
Anode Output (Amps)					
# 1 <u>3.5</u>	# 2 <u>3.4</u>	# 3 <u>3.2</u>	# 4 <u>2.7</u>	# 5 <u>2.8</u>	# 6 <u>1.8</u>
# 7 <u>2.5</u>	# 8 <u>2.2</u>	# 9 <u>2.3</u>	# 10 <u>2.6</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				No. 8 C.P. Cable Used	
Volts <u>11.8</u>	Amps <u>13.4</u>	Ohms <u>0.88</u>			No. 2 C.P. Cable Used

Remarks: Static 600'S = 0.81. DRILLER SAID MAKING WATER @ 95'. DRILLED TO 310'
NEXT A.M. WATER STANDING @ 95'. 10 GALS PER MIN. PERFORATED 200' OF 1"
PVC VENT PIPE. INSTALLED 280' OF 1" PVC VENT PIPE.

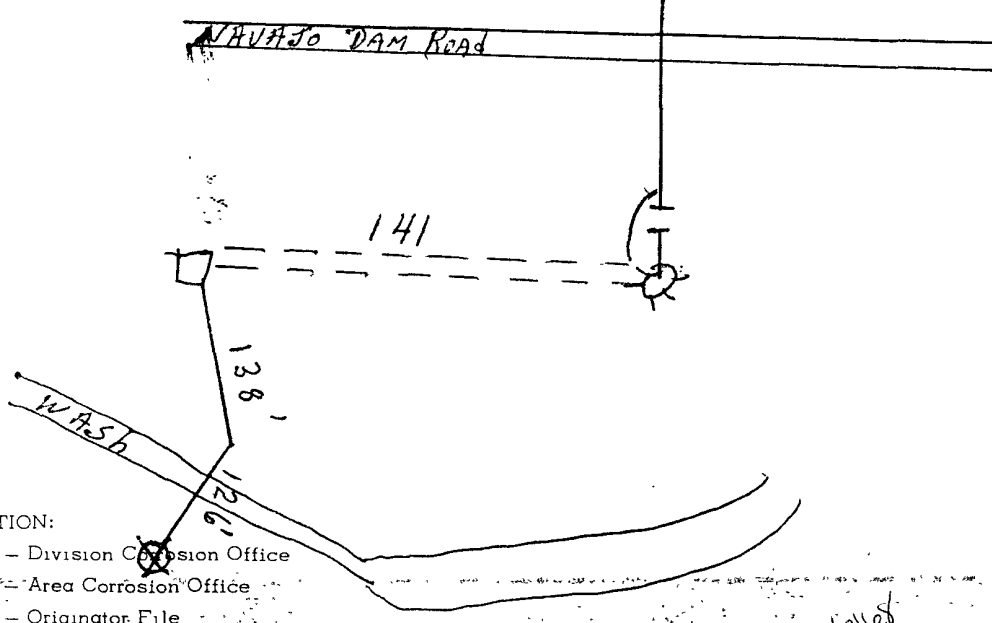
40V 16A Rectifier
stab Pole

Ditch #1 cable = 405
EXTRA cable = 141
Hole Depth = -225

All Construction Completed

W L Loutch
 (Signature)

GROUND BED LAYOUT SKETCH



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

W L Loutch

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet. _____ of _____

Date. _____

By. _____

File. _____

280
 95
 185

MANSSic 16 #2-A

NW 19-30-9

1241W

57195-21

Static 600'S = 0.81

40W16A Rectifier

Stub Pole

Ditch 1 Cable = 405'

Extra Cable = 141'

Hole Depth = -225

Driller Said Making Water @ 95

10 GALS Per min. Drilled to 310' Next

A.M. Water Standing @ 95'

Perforated 200' of 1" Pulverent Pipe

Installed 280' of 1" PVC Vent Pipe

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

90

Water Level

100	1.5 - (10)	30	1.8
	1.0		1.7 - (4)
10	.8	40	1.9
	.8		1.9 - (3)
20	.9	50	2.1
	1.3		2.1 - (2)
30	1.3 - (9)	60	2.1
	.9		2.1 - (1)
40	1.0	70	2.3
	.8	275	2.3
50	.7	80	
	.7		
60	.7	90	
	.7		
70	.9	300	

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

80	.8	10	DRILLED	①	265	2.2	3.5
	.8			②	255	2.1	3.4
	.7			③	245	2.1	3.2
90	.7			④	235	1.9	2.7
	1.3 - (8)			⑤	225	1.9	2.8
200	1.3			⑥	215	1.7	1.8
	1.1 - (7)			⑦	205	1.3	2.5
10	1.0			⑧	195	1.3	2.2
	1.0 - (6)			⑨	130	1.5	2.3
20	1.3			⑩	100	1.4	2.6
	1.8 - (5)						

Volts = 11.8

Amps = 13.4

ohms = 0.88

DAILY DRILLING REPORT

1241 W

LEASE

WELL NO. 1241 W CONTRACTOR

O'Brian

RIG NO.

1

REPORT NO.

27

DATE

6-20-70

19

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.

BIT ' _____		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
0	85	Sand	170	175	Sandstone			
85	95	Shale	175	310	Shale			
95	120	Sandstone						
120	127	Shale						
127	165	Sandstone						
165	170	Shale						

REMARKS -	REMARKS -	REMARKS -
		Water @ 95 overnite
		6 3/4 to 310
		Logged to 275
		Estimate 10 pm 95/120

SIGNED: Toolpusher

O'Brian

Company Supervisor

SAN JUAN DIVISION LABORATORY

ANALYSIS NO. 1-9230

DATE COMPLETED 7-6-78

WELL NAME	LOCATION	DATE SECURED	GAL. / DAY	PPM T.D.S.	pH	PPM CHLORIDES	PPM SULFATE
	S T R						
Jones A #1A MV	10-28-8	6-20	24	7452	7.0	4320	7840
Jones A #1A PC	10-28-8	6-20	1	39	6.8	13	1000
Lughes #4A	20-29-8	6-20	54	6858	7.2	4830	1280
Day A #5A	18-29-8	6-20	38	7632	7.1	6320	2500
Day #1A	17-29-8	6-20	80	6670	7.4	6390	500
Day A #1A	17-29-8	6-20	106	7527	7.4	7170	1000
Day #3A	18-29-8	6-20	42	6913	6.7	7170	1000
Day A #2A	7-29-8	6-20	96	5887	7.6	6320	64
El Paso #1A	20-29-9	6-17	8	9493	6.8	6745	7080
Wansfield #2A 1241W	19-30-9	6-19		1019	7.3	24	1520
Wigley #1A 1275W	6-30-9	6-19		430	7.1	20	600
Worance #2A 1220W	21-30-9	6-19		1373	7.3	16	2520
San Juan #11A 1252W	11-30-10	6-19		636	6.4	24	800
San Ray A #1A 1263W	15-30-10	6-19		210	6.2	8	600
Atlantic D Com #5A 1209W	12-30-10	6-19		1493	6.6	16	3000
Wernaghan #4A 1237W	30-31-8	6-19		432	7.3	12	600
Wernaghan #2A 1235W	28-31-8	6-19		190	7.2	16	680
Wernaghan #1A 1234W	33-31-8	6-19		571	6.9	32	800
Walker 1A 1271W	31-31-9	6-19		1664	7.0	32	3520
Atlantic A #8A 1199W	29-31-10	6-19		2637	7.1	152	5560
Atlantic "C" 4A 1200W	31-31-10	6-19		6720	7.7	504	9800
Cott #4A 1258W	17-31-10	6-19		4506	7.0	186	7760
Brookhaven Com A-1 1212W	16-31-10	6-19		3979	6.7	270	6920