

440

30-045-21982

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. 21 Twp 30 Rng 9
Name of Well/Wells or Pipeline Serviced FLORANCE #2A
cps 1220w
Elevation 5953' Completion Date 6/19/78 Total Depth 285' 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. 65' - 90'
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 270', 260', 250', 240', 230', 190', 155', 125', 115', 105'
Depths vent pipes placed: 285'
Vent pipe perforations: 205'
Remarks: gb #1 CAVITY AT 220' - 222'

RECEIVED
MAY 31 1981
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 6-19-78

Well Name <u>FLORANCE #2-A</u>		Location <u>SE 21-30-9</u>		CPS No. <u>12206</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57177-21</u>	
Anode Hole Depth <u>285'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>270</u>	# 2 <u>260</u>	# 3 <u>250</u>	# 4 <u>240</u>	# 5 <u>230</u>	# 6 <u>190</u>
# 7 <u>155</u>	# 8 <u>125</u>	# 9 <u>115</u>	# 10 <u>105</u>		
Anode Output (Amps)					
# 1 <u>2.5</u>	# 2 <u>3.6</u>	# 3 <u>2.3</u>	# 4 <u>2.5</u>	# 5 <u>2.2</u>	# 6 <u>2.1</u>
# 7 <u>2.1</u>	# 8 <u>2.9</u>	# 9 <u>3.3</u>	# 10 <u>2.7</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>12.0</u>	Amps <u>12.6</u>	Ohms <u>0.95</u>			

Remarks: STATIC 600' E = 0.90. DRILLER SAID MAKING WATER @ 65' TO 90'
DRILLED TO 110', STOPPED DRILLING NEXT A.M. WATER STANDING @ 80'
20 GALS PER MIN. ~~PERFORATED~~ PERFORATED 205' OF 1" PVC VENT PIPE
INSTALLED 285' OF 1" PVC VENT PIPE. C.A.U.T.Y @ 220' TO 222'

HOU 16A Rectifier
Stub Pole

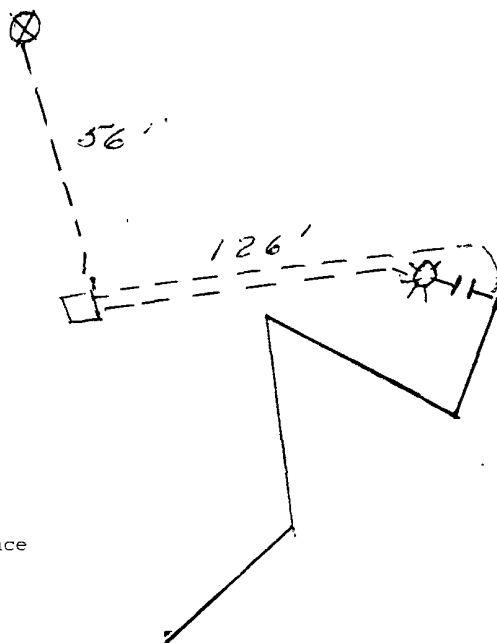
Ditch & 1 cable = 182
EXTRA CABLE = ~~56~~ 126
Hole Depth = -215

All Construction Completed

W. J. Smith

(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

5953

1220W

LEASE

WELL NO. 1230W CONTRACTOR

O'Briant
DAYLIGHT

RIG NO. /

REPORT NO. 26

DATE 6-19-78 19

MORNING					DAYLIGHT					EVENING				
Driller					Driller					Driller				
Total Men In Crew					Total Men In Crew					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.		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	60	Sand			135	185	Sandstone			248	205	Sandstone		
60	65	Shale			180	190	Shale			205	271	Shale		
65	90	Sandstone water			190	220	Sandstone			271	276	Sandstone		
9	120	Shale			220	222	Cavity			276	295	Shale		
120	150	Sandstone			222	225	Sandstone			295	300	Sandstone		
150	155	Shale			225	248	Shale							
REMARKS -					REMARKS -					REMARKS -				
										634 To 300 Logged to 285 Water @ 80 over note estimate 20 gpm @ 25/50.				

SIGNED: Toolpusher

Tom Beant

____ Company Supervisor

FLORENCE # 2-A SE 21-30-9 1220 W 57177-21

Static 600' E = 0.90

40V16A Rectifier

Stub Pole

Ditch & 1 cable = 182

EXTRA CABLE = 56.12.6

Hole Depth = -215

DRILLER SAID MAKING WATER @ 65' TO 90' DRILLED
TO 100' STOPPED DRILLING. NEXT A.M. WATER
STANDING @ 80' 20 GALS PER MIN
PERFORATED 205' of 1" PVC vent pipe
INSTALLED 285' of 1" PVC vent pipe
CAVITY 220' TO 222'

MW		gals/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

80	40	1.7 ④
		1.4
90 .4	50	1.3 ③
.4		1.4
100 .8	? 60	2.3 ②
1.3 ⑩		1.3
10 1.8	70	1.2 ①
1.8 ⑨		1.1
20 1.7	80	1.1
1.5 ⑧		1.5 +p
30 1.3	90	
.8		
40 .8	300	DRILLED
.7		
50 .8		
1.2 ⑦		
60 .9		
.7		
70 .5		
.6		
80 .5		
.5		
90 1.2 ⑥		
1.1		
200 .7		
.7		
10 .5		
.4		
20 .4		
1.2		
30 1.4 ⑤		
1.4		

①	270	1.3	2.5
②	260	2.5	3.6
③	250	1.4	2.3
④	240	1.8	2.5
⑤	230	1.4	2.2
⑥	190	1.2	2.1
⑦	155	1.3	2.1
⑧	125	1.9	2.9
⑨	115	2.2	3.3
⑩	105	1.7	2.7

volts = 12.0
Amps = 12.6
ohms = 0.95

SAN JUAN DIVISION LABORATORY

ANALYSIS NO. 1-9230

DATE COMPLETED 7-6-78

WELL NAME	LOCATION S T R	DATE SECURED	GAL./ DAY	PPM T.D.S.	pH	PPM CHLORIDES	PPM SULFATE
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
May A #5A	18-29-8	6-20	38	7632	7.1	6320	2500
May #1A	17-29-8	6-20	80	6670	7.4	6390	500
May A #1A	17-29-8	6-20	106	7527	7.4	7170	1000
May #3A	18-29-8	6-20	42	6913	6.7	7170	1000
May A #2A	7-29-8	6-20	96	5887	7.6	6320	64
1 Paso #1A	20-29-9	6-17	8	9493	6.8	6745	7080
Mansfield #2A 1241-W	19-30-9	6-19		1019	7.3	24	1520
Migley #1A 1275W	6-30-9	6-19		430	7.1	20	600
Morance #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
Donnaghan #4A 1237W	30-31-8	6-19		432	7.3	12	600
Donnaghan #2A 1235W	28-31-8	6-19		190	7.2	16	680
Donnaghan #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