

1308

21 30-045-07655
23 30-045-07654
24 30-045-26508

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 L Sec. 33 Twp 29 Rng 9

Name of Well/Wells or Pipeline Serviced SAN JUAN #21, #24, #23

cps 1916w

Elevation 6220' Completion Date 11/13/87 Total Depth 530' 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. 160' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 425', 415', 405', 395', 385', 375', 310', 300', 290', 280'

Depths vent pipes placed: 485'

Vent pipe perforations: 280'

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.

OK

Completion Date 11-13-87

100

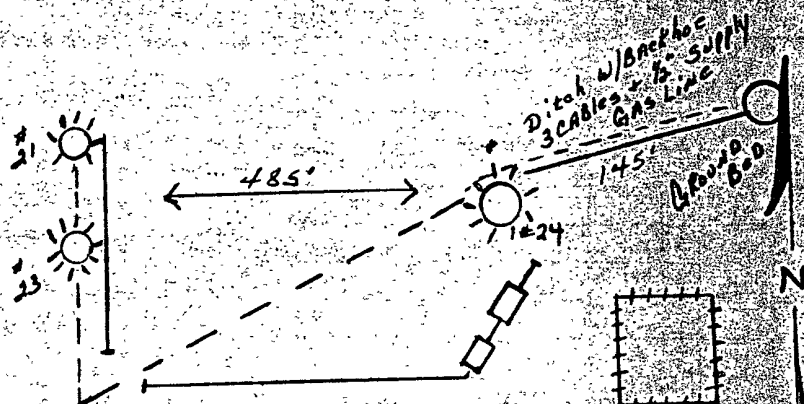
Rectifier Size: _____ V 5000R A
Addn'l Depth: _____
Depth Credit: 20' @ .350
Extra Cable: 320' @ .25
Ditch & 1 Cable: 485' @ .43
Ditch & 2 Cable: (Ditch w/Backhoe) ?
25' Meter Pole: (2 Cables + 1/2" Gas Line)
25' Meter Pole: _____
10' Stub Pole: _____
Junction Box: INSTALL

All Construction Completed

M.D.M.

(Signature)

G.B.	4300 ⁰⁰ ✓	
CREDIT	(70 ⁰⁰) ✓	4230 ⁰⁰
EXTRA CABLE	80 ⁰⁰ ✓	
DITCH 1 CABLE	208 ⁵⁵ ✓	
INSTALL J-B	40 ⁰⁰ ✓	
	4558.55	
TAX	227.93	
	4786.48	



6220

BURGE CORROSION SYSTEMS INC.
P.O. BOX 1359
AZTEC, NEW MEXICO 87410
DRILLING AND LOGGING LOG

CPJ 191660

JOB NUMBER 147 HOLE DIAMETER 6 3/4 IN DATE 11/13/87
WELL NAME San Juan #24 HOLE DEPTH 500 FT FINAL READING 11.53 VOLTS
COMPANY NAME Mexican Oil NUM OF ANODES 10 FINAL READING 16.9 AMPS
LEGAL DESCRIPTION 1/4 S T R WATER DEPTH 160 FT FINAL READING 685 OHMS

HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITIAL AMPS	FINAL AMPS
5	sand				245	shale	2.7			485	① 425'		3.5	4.9
10	sand				250		2.4			490	② 415'		3.7	5.1
15	sand				255	"	2.4			495	③ 405'		3.8	5.3
20	sand				260		2.4			500	④ 395'		3.0	4.5
25	clay				265	shale	2.2			505	⑤ 385'		3.0	4.5
30	clay				270	"	2.4			510	⑥ 375'		2.8	3.8
35	clay				275	"	2.4			515	⑦ 310'		3.7	4.2
40					280	shale	2.6	X		520	⑧ 301'		3.5	4.6
45	sand				285		3.2			525	⑨ 290'		2.8	4.1
50	" "				290	"	2.9	X		530	⑩ 280'		2.7	3.8
55	" "				295	shale	3.0			535				
60	" "				300	shale	3.3	X		540				
65					305	"	3.2			545				
70	sand				310	"	2.8	X		550				
75					315		2.3			555				
80					320	shale	2.4			560				
85					325	"	2.4			565				
90					330	shale	2.1			570				
95					335	Bentonite	1.7			575				
100	sandstone				340		1.7			580				
105					345	sandstone	1.6			585				
110	sandstone				350		1.4			590				
115					355	shale/sand	2.2			595				
120	sandstone				360		2.6			600				
125					365	"	2.5			605				
130	sandstone				370		2.6			610				
135	shale sand				375		2.8	X		615				
140	sand				380	shale	2.6			620				
145	sandstone				385	sand	2.8	X		625				
150					390		3.0			630				
155	sand				395	"	3.2	X		635				
160	SAND H2O				400		3.2			640				
165	sandstone				405		3.0	X		645				
170					410	shale sand	3.0			650				
175					415	shale	3.0	X		655				
180					420		2.8			660				
185					425		2.9	X		665				
190					430	"	2.9			670				
195					435	"	2.3			675				
200					440		2.0			680				
205					445		1.7			685				
210					450	shale	1.7			690				
215					455		1.9			695				
220					460		2.1			700				
225					465	"	2.1			705				
230	sandstone				470		2.3			710				
235					475	"	2.1			715				
240	shale	2.8			480					720				

API WATER ANALYSIS REPORT FORM

OPS 1916 W

Company	MERIDIAN OIL COMPANY		Sample No.	1	Date Sampled	11/13/87	
Field	Basin Dakota	Legal Description	L-33-29-09	County or Parish	San Juan	State	N.M.
Lease or Unit	San Juan	Well	#24	Depth	160	Formation	Ground bed
Type of Water (Produced, Supply, etc.)	Produced		Sampling Point			Sampled By	Mark M. Farland

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	2010	87.5
Calcium, Ca	190	7.0
Magnesium, Mg	7	.6
Barium, Ba		

ANIONS	mg/l	me/l
Chloride, Cl	30	.8
Sulfate, SO ₄	4360	90.8
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	214	3.5

OTHER PROPERTIES

pH	7.53
Specific Gravity, 60/60 F.	1.0057
Resistivity (ohm-meters) 72° F.	280
Conductivity	3600 umho

Total Dissolved Solids (calc.) 6760

Iron, Fe (total) 0
Sulfide, as H₂S 0

REMARKS & RECOMMENDATIONS:

