

#85-30.039-06900
157-30.039-20399

5015

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

Operator MERIDIAN OIL Location: Unit NE Sec. 25 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #85, #157
cps 1302w

Elevation 6384 Completion Date 9/6/78 Total Depth 320' 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' & 160' SAMPLE TAKEN

Depths gas encountered: N/A

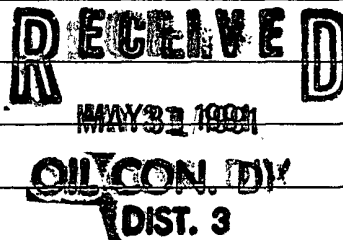
Type & amount of coke breeze used: 60 SACKS

Depths anodes placed: 275', 265', 255', 245', 215', 205', 195', 175', 165', 125'

Depths vent pipes placed: 300'

Vent pipe perforations: 260'

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 9-6-78

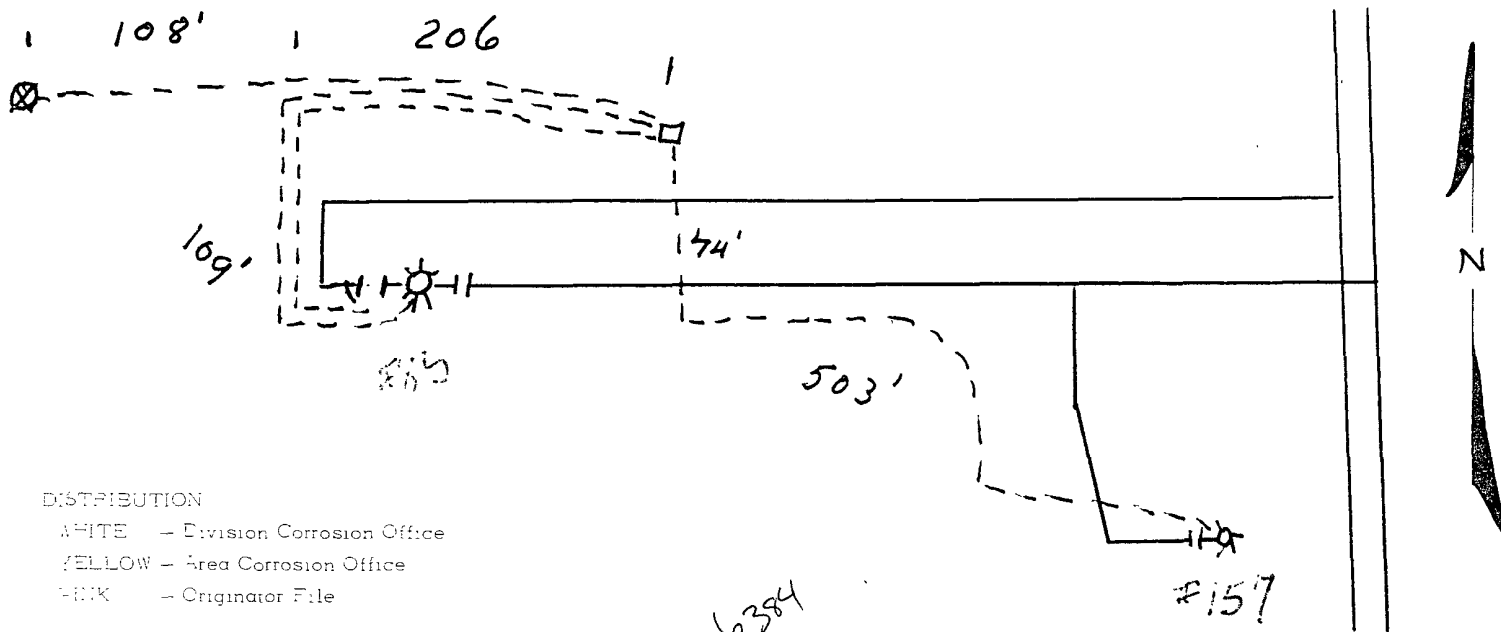
Well Name <u>S. J. 28-6 # 85</u> <u># 157</u>		Location <u>NE 25-27-6</u>		CPS No. <u>1302 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>#85= 53755-19</u> <u>#157= 54895-19</u>	
Anode Hole Depth <u>Logged</u> <u>320- 315</u>		Total Drilling Rig Time		Total Lbs. Coke Used	
Anode Depth		Total Drilling Rig Time		Lost Circulation Mat'l Used	
# 1 <u>295</u>	# 2 <u>265</u>	# 3 <u>255</u>	# 4 <u>245</u>	# 5 <u>215</u>	# 6 <u>205</u>
# 1 <u>2.1</u>	# 2 <u>2.6</u>	# 3 <u>2.6</u>	# 4 <u>2.2</u>	# 5 <u>2.0</u>	# 6 <u>2.8</u>
# 7 <u>195</u>	# 8 <u>175</u>	# 9 <u>165</u>	# 10 <u>125</u>		
# 11	# 12	# 13	# 14	# 15	# 16
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance Volts <u>11.8</u>		Amps <u>13.2</u>		Ohms <u>0.89</u>	
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: Static #85 600' S = 0.74. Static #157 600' SW = 0.72
DRILLER SAID MAKING WATER @ 90'. MORE WATER @ 160'. 30 GALS PER MIN
STARTED TO LOG WATER STANDING @ 45'. PERFORATED 260' of 1" PVC Vent Pipe
INSTALLED 300' of 1" PVC Vent Pipe. SLURRIED 60 SACKS of COKE
60V 30 A Rectifier Hole Depth = -180/185 1 1/2" x 60" Dupiron
20' Meter Pole Ditch 5' / Cable = 1000'
EXTRA CABLE = 521

All Construction Completed

W Z Louth
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION

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

1302

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

Analysis No. 1-9339 Date SEPTEMBER 18, 1978

Operator EPNG Well Name SAN JUAN 28-6 #85 & #187

Location 25-27-6 County RIO ARriba State NM

Field Formation

Sampled From CPS 1302W

Date Sampled By

Tbg. Press. <u> </u>	Csg. Press. <u> </u>	Surface Csg. Press. <u> </u>
ppm	epm	ppm epm

Sodium <u>255</u>	11.1	Chloride <u>21</u>	.6
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Calcium <u>9</u>	.5	Bicarbonate <u>332</u>	5.4
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Magnesium <u>.5</u>	.1	Sulfate <u>250</u>	5.2
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Iron <u>PRESENT</u>		Carbonate <u>14</u>	0.5
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H ₂ S <u>ABSENT</u>		Hydroxide <u>0</u>	0
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cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File

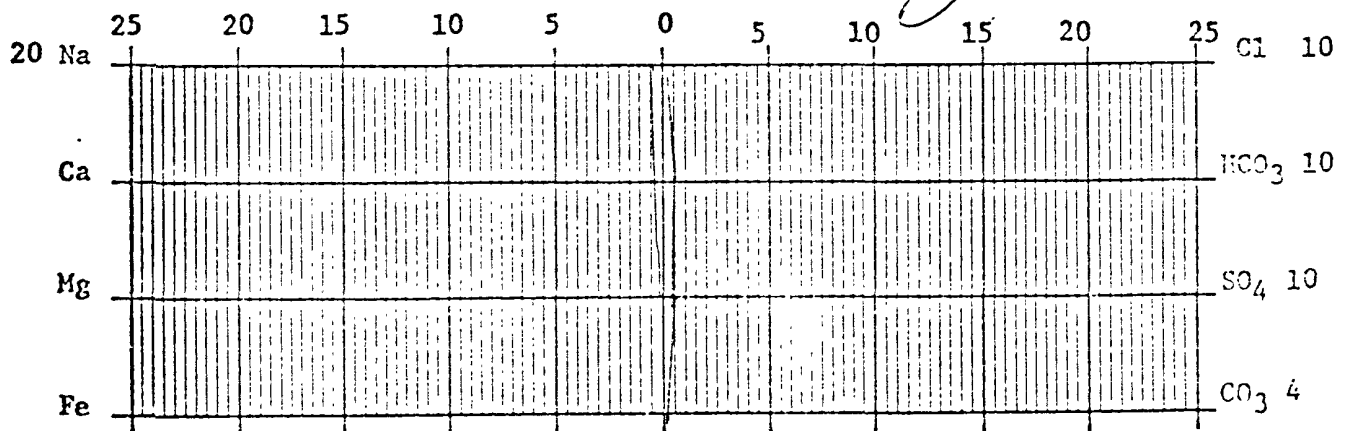
Total Solids Dissolved 381

pH 8.5

Sp. Gr. 1.0016 at 60°F

Resistivity 930 ohm-cm at 71 °F

Atley Jones
Chemist



Scale: epm

S. J. 28-6[#] 85

53755-19

S. J. 28-6[#] 157

NE 25-27-6

1302W

54895-19

50 1.1
55 1.3
60 1.3

Static # 85 600' South = 0.74

Static # 157 600' SW = 0.72

DRILLER Said Sand Bed MAKING WATER @ 90'
MORE WATER @ 160' 30 GALS PER MIN.
Started to log water standing @ 45'
Perforated 260' 0.5" PVC vent pipe
Installed 300' 0.5" PVC vent pipe
Shipped 60 SACKS of COKE

MW	gals/mol
18.04	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

70	1.3				
80	1.7	70	1.3		
90	1.5	80	1.8		
100	1.5	90	1.7		
10	1.5	300	1.7		
20	1.5	10	1.6		
30	1.1	20	1.6		
40	1.3	30			
50	1.3	40			
60	1.1	50			
70	1.2	60			
80	1.7	70			
90	1.1	80			
200	1.3	20			
10	1.1				
20	1.1				
30	1.7				
40	1.7				
50	1.2				
60	1.2				
70	1.2				
80	1.2				
90	1.2				
100	1.2				
110	1.2				
120	1.2				
130	1.2				
140	1.2				
150	1.2				
160	1.2				
170	1.2				
180	1.2				
190	1.2				
200	1.2				
210	1.2				
220	1.2				
230	1.2				
240	1.2				
250	1.2				
260	1.2				
270	1.2				
280	1.2				
290	1.2				
300	1.2				
310	1.2				
320	1.2				
330	1.2				
340	1.2				
350	1.2				
360	1.2				
370	1.2				
380	1.2				
390	1.2				
400	1.2				
410	1.2				
420	1.2				
430	1.2				
440	1.2				
450	1.2				
460	1.2				
470	1.2				
480	1.2				
490	1.2				
500	1.2				
510	1.2				
520	1.2				
530	1.2				
540	1.2				
550	1.2				
560	1.2				
570	1.2				
580	1.2				
590	1.2				
600	1.2				
610	1.2				
620	1.2				
630	1.2				
640	1.2				
650	1.2				
660	1.2				
670	1.2				
680	1.2				
690	1.2				
700	1.2				
710	1.2				
720	1.2				
730	1.2				
740	1.2				
750	1.2				
760	1.2				
770	1.2				
780	1.2				
790	1.2				
800	1.2				
810	1.2				
820	1.2				
830	1.2				
840	1.2				
850	1.2				
860	1.2				
870	1.2				
880	1.2				
890	1.2				
900	1.2				
910	1.2				
920	1.2				
930	1.2				
940	1.2				
950	1.2				
960	1.2				
970	1.2				
980	1.2				
990	1.2				
1000	1.2				

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

60V 30A Rectifier
20' Motor Pole
Hole Depth = -180'
Ditch 5' cable = 1000'
Extra cable = 521'

① 275	1.1	2.1
② 275	1.5	2.6
③ 275	1.5	2.6
④ 275	1.5	2.6
⑤ 275	1.1	2.0
⑥ 275	1.4	2.8
⑦ 275	1.6	2.7
⑧ 275	1.2	2.3
⑨ 275	1.6	2.3
⑩ 275	1.5	2.9

11.8 volts
13.2 amps
0.59 ohms

DAILY DRILLING REPORT

LEASE

WELL NO. **1302W**

CONTRACTOR

O'Brian

RIG NO.

1

REPORT NO.

10

DATE

Sept 619**78**

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.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERIAL NO.		NO. DC	SIZE	LENG.	SERIAL NO.		NO. DC	SIZE	LENG.	SERIAL NO.		NO. DC	SIZE	LENG.
SIZE		STANDS			SIZE		STANDS			SIZE		STANDS		
TYPE		SINGLES			TYPE		SINGLES			TYPE		SINGLES		
MAKE		DOWN ON KELLY			MAKE		DOWN ON KELLY			MAKE		DOWN ON KELLY		
		TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH		

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Vis.	Vis.	Time	Vis.	Vis.	Time	Vis.	Vis.	Time	Vis.	Vis.	Time	Vis.	Vis.	Time	Vis.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	38	Sand - loose	160	185	Shale			
38	75	Shale	185	205	Sandstone			
75	90	Sandstone water	205	220	Shale			
	130	Shale	220	240	Sandstone			
120	140	Sandstone	240	320	Shale - Sandy.			
140	160	Sandstone water						

REMARKS -			REMARKS -			REMARKS -		

Drilled To 320 w/ 6 3/4
 Logged To 315
 Estimate water 30 gpm

SIGNED: Toolpusher

Tom O'Brian

Company Name (Printed)