

30-039-07590

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 24 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #71

cps 307w

Elevation 6245' Completion Date 7/25/73 Total Depth 500' 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. WET AT 80' BIG WATER AT 180'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 7400 lbs.

Depths anodes placed: 445', 435', 425', 300', 230', 220', 210', 200', 135', 125'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2

RECEIVED
MAY 31 1991

OIL CON. D¹
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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto). ☐

[Signature]

Completion Date **7-25-73**

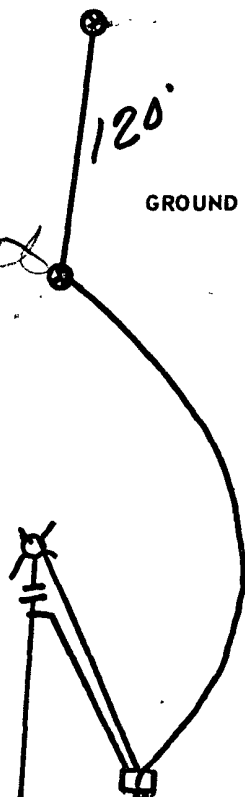
Well Name S.J. 29-7 #71		Location NE 24-29-7		CPS No. 307 W	
Type & Size Bit Used 6 3/4				Work Order No. 40479	
Anode Hole Depth 500'	Total Drilling Rig Time	Total Lbs. Coke Used 7,400	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 445	# 2 435	# 3 425	# 4 300	# 5 230	# 6 220
# 7 210	# 8 200	# 9 135	# 10 125		
Anode Output (Amps)					
# 1 2.6	# 2 2.4	# 3 2.3	# 4 2.5	# 5 2.8	# 6 2.8
# 7 3.3	# 8 2.9	# 9 3.1	# 10 3.7		
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 12.4	Amps 10.0	Ohms 1.24			No. 2 C.P. Cable Used

Remarks: Drill w air to 360 - Mud to 500'. Driller said wet at 80' Big Water at 180' - Water standing at 125' Before chng to Mud.

Pump 57 Sx. Slurry 17 sacks - Total 74

2230.00
562.40 coke
26.00 cable

2818.40
45.00 credit
2773.40
110.94 Tax
2884.34



GROUND BED LAYOUT SKETCH

All Construction Completed

[Signature]
(Signature)



LEASE S. J. - 29-7 WELL NO. 71

CONTRACTOR

more

RIG NO.

REPORT NO.

DATE 7-23

19 73

SIGNED: Toolpusher

Def. known

____ Company Supervisor

307W

7-25-73 -

MW	gas/mol
15	C ₁ 9.4
30	C ₂ 9.56
44	C ₃ 10.42
58	HC ₄ 12.56
72	HC ₅ 11.93
86	HC ₆ 13.85
100	HC ₇ 13.71
114	HC ₈ 15.50
128	HC ₉ 15.57
142	HC ₁₀ 17.2
156	C ₁₁ 17.44
170	C ₁₂ 19.38
184	C ₁₃ 19.64
198	C ₁₄ 21.61

MW	MISC	gas/mol
44	CO ₂	6.38
54	H ₂ O	5.17
78	N ₂	14.16
100	HC ₇	5.35

125	1.9	305	1.4	Drill W air to 360				
30	1.9	10	1.0	Mud to 500'				
	1.6		.9	Driller said wet at 80 - Big water 180'				
40	1.5	20	.8	Wtr level before chng to Mud @ 125'				
	1.5		.8	Vent Perf. 375'				
50	1.3	30	.8	Pump 57 SX.				
	1.0		.8	Slurry 175X				
60	.9	40	.8	74				
	1.0		.8					
70	1.1	50	.7					
	1.0		1.1					
80	.9	60	1.2					
	.9		1.0					
90	.9	70	1.1					
	1.0		1.0	Log				
200	1.8	80	1.0	1	4.15	1.5	1.9	2.6
	2.0		1.0	2	4.35	1.6	1.6	2.4
10	1.8	90	1.0	3	4.25	1.6	1.6	2.3
	1.6		1.0	4	3.00	1.6	1.7	2.5
20	1.5	400	.9	5	2.30	1.5	1.8	2.8
	1.5		.8	6	2.20	1.5	1.8	2.8
30	1.5	10	.8	7	2.10	1.8	2.2	3.3
	1.3		.8	8	2.00	1.8	1.8	2.9
40	.9	20	.9	9	1.35	1.6	2.0	3.1
	.8		1.6	10	1.25	1.9	2.5	3.7
50	.9	30	1.4					
	.8		1.6					
60	.7	40	1.5	12.4V 10.0A = 1.24W				
	.8		1.5					
70	1.0	50	1.3					
	.7		1.4					
80	.8	60	1.4					
	.8		1.2					
90	.8	70	.9					
	1.0		.7					
300	1.6	80	.5					
		85	.7					
		90	.9					

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

Analysis No. 1-10809 Date August 26, 1983

Operator El Paso Natural Gas Well Name San Juan 29-7 #71 307-W

Location A-24-29-7 County Rio Arriba State New Mexico

Field North Blanco Formation Surface

Sampled From CPS Ground Bed

Date Sampled August 2, 1983 By John Easley

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium	ppm	epm	Chloride	ppm	epm
	271	11.8		18	0.5

Calcium	ppm	epm	Bicarbonate	ppm	epm
	158	7.9		444	7.3

Magnesium	ppm	epm	Sulfate	ppm	epm
	7	0.6		600	12.5

Iron	ppm	epm	Carbonate	ppm	epm
				0	0

H ₂ S	ppm	epm	Hydroxide	ppm	epm
				0	0

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

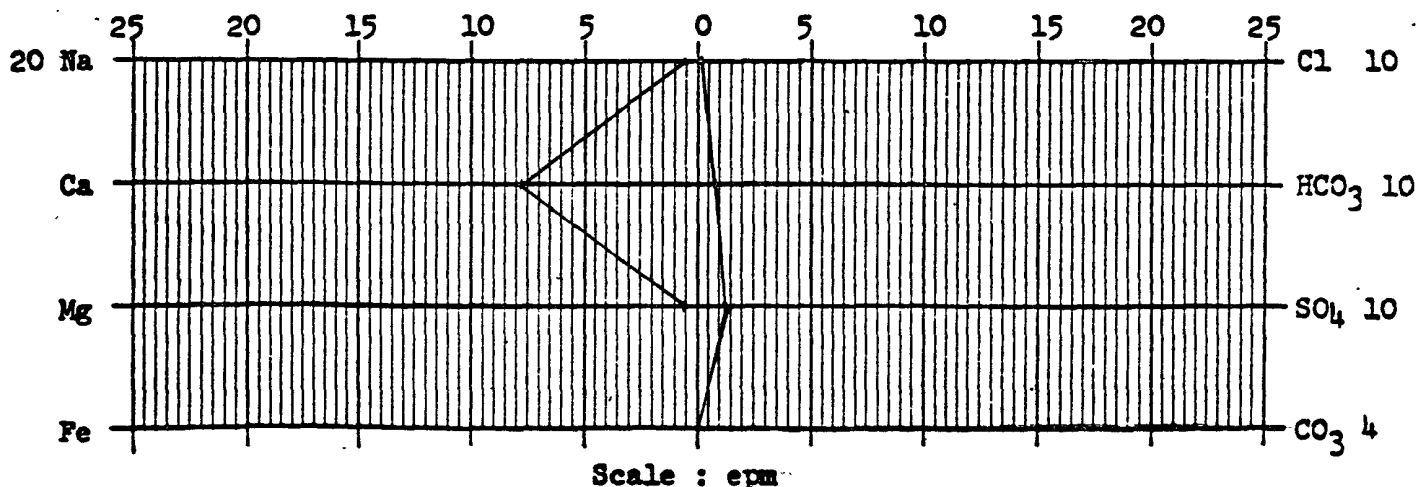
Total Solids Dissolved 1,466

pH 7.8

Sp. Gr. 1.0014 At 60°F

Resistivity 400 ohm-cm at 74 °F

Dennis P. Bird GCK
Chemist



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NORTHWESTERN NEW MEXICO
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cps 307w

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Casing, Sizes, Types & Depths N/A

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Depths gas encountered: N/A

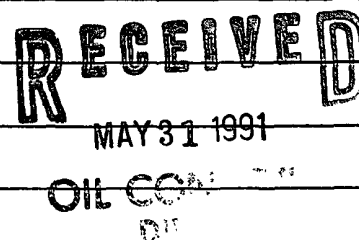
Type & amount of coke breeze used: 585 lbs.

Depths anodes placed: 75', 64', 58', 52', 46'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1



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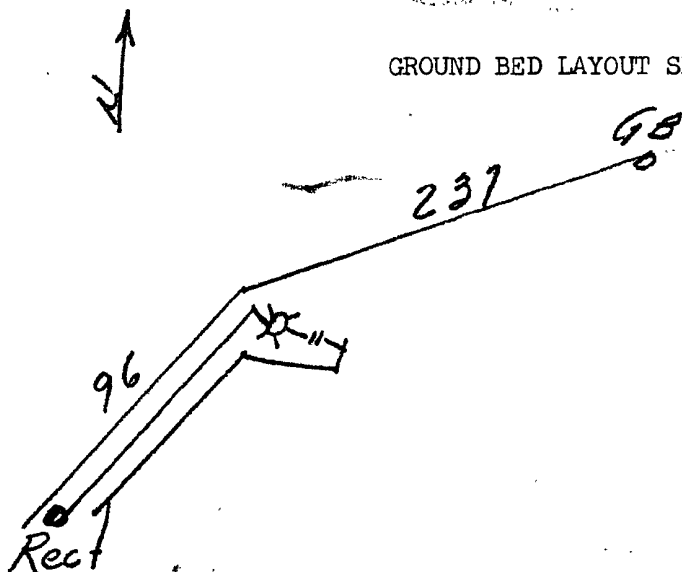
WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 3-7-63
WELL NAME San Juan 29-7 Unit # 71 CPS NO. 307W
LOCATION Sec. 29 T29N R7W
WORK ORDER NUMBER 184-~~4052~~ 40542-50-02
ANODE HOLE DEPTH 97
TOTAL DRILLING RIG TIME 5 Hrs
DRILLING TIME FOR RECTIFIER POLE HOLE _____
TYPE AND SIZE BIT USED 6 1/4 Rock (7519x)
NUMBER SACKS MUD USED 0
NUMBER SACKS LOST CIRCULATION MAT'L USED 0
ANODE DEPTHS #1 75, #2 64, #3 58, #4 52 #5 4.6
TOTAL LBS. COKE USED 585 7 sacks
ANODE OUTPUTS ~~11.6~~ ^{12.2} VOLTS, #1 3.3, #2 4.0, #3 4.1, #4 4.2 #5 3.8
TOTAL CIRCUIT RESISTANCE: VOLTS 11.6 AMPERES 8.8 OHMS 1.3 ~
NUMBER FEET SURFACE CABLE ~~CONDUIT~~ 555
DRILLING LOG (ATTACH HERETO).
FORMATION LOG (ATTACH HERETO).
REMARKS: Static .87 R 600' West.

ALL CONSTRUCTION COMPLETED

O. H. Harrells
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

SEC. 24 T27N. R1W
SAN JUAN 29-7 UNIT NO. 71

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE		WELL NO.		CONTRACTOR <i>F. E. Wilson</i>		RIG NO. <i>D-6</i>		REPORT NO.		DATE <i>March 7 1963</i>							
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.			
0	12	<i>Shale + 55</i>	<i>7519AT</i>		12	70	<i>55</i>	<i>7519AT</i>									
12	20	<i>Shale</i>	<i>X</i>		80	95	<i>Shale</i>	<i>X</i>									
20	45	<i>55</i>	<i>X</i>		95	97	<i>55</i>	<i>X</i>									
45	73	<i>Shale</i>															
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SERIAL NO. <i>7519AT</i>		NO. DC		SIZE	LENG.	SERIAL NO.		NO. DC		SIZE	LENG.	SERIAL NO.		NO. DC		SIZE	LENG.
SIZE <i>6 3/4</i>		STANDS				SIZE		STANDS				SIZE		STANDS			
TYPE <i>12 1/4</i>		SINGLES				TYPE		SINGLES				TYPE		SINGLES			
DOWN ON KELLY						DOWN ON KELLY						DOWN ON KELLY					
MAKE <i>Walsh MOC</i>		TOTAL DEPTH <i>97</i>				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					
		<i>1 Load water</i>					<i>5 HRS</i>										
REMARKS -					REMARKS -					REMARKS -							
										<i>mor. 7- 5 HRS</i>							
										<i>moving to pipe location</i>							
										<i>C. H. Harris</i>							

SIGNED: Toolpusher _____

Company Supervisor _____