

1044

15 30-039-07042
40-30-039-20228
20228DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)Operator MERIDIAN OIL Location: Unit SW Sec. 16 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #40, #15
cps 1707Elevation 6690' Completion Date 9/22/83 Total Depth 340' Land Type* N/ACasing, Sizes, Types & Depths 40' OF PLASTIC CASINGIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 160' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 3800 lbs.Depths anodes placed: 295', 285', 240', 230', 220', 210', 160', 150', 140', 130'Depths vent pipes placed: 340'Vent pipe perforations: 260'Remarks: gb #1**RECEIVED**
MAY 31 1984
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.

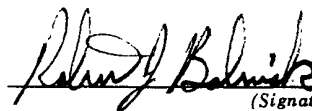
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto) ☐Completion Date 9-22-83

CPS #	Well Name, Line or Plant.	Work Order #	Static	Ins. Union Check
1707 W	SAN JUAN 27-5 # 40 SAN JUAN 27-5 # 15	34194-19-50-20-64 40034-19-50-20-64	600' W = .99 100' E = .81	☒ Good ☐ Bad
Location	Anode Size:	Anode Type	Size Bit:	
SW 16-27-5	2" x 60"	Duriron	6 3/4" mill tooth	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
340	340	CASING 2 1/2 hrs setting	3800	
Anode Depth				
# 1 295	# 2 285	# 3 240	# 4 230	# 5 220
# 6 210	# 7 160	# 8 150	# 9 140	# 10 130
Anode Output (Amps)				
# 1 2.27	# 2 2.63	# 3 3.20	# 4 4.10	# 5 4.39
# 6 3.39	# 7 2.12	# 8 2.84	# 9 3.55	# 10 3.41
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 11.57	Amps 12.15	Ohms .95		

Remarks: Drilled to 40' - Approx 30' of sugar sand at top of hole - Reamed to 37' + set 40' of plastic casing (2 1/2 hrs) Drilled to 120' - waited 1 hr and caught water sample (muddy) caught second water sample next am. water at 110' static level 85'. Drilled 340' & logged 340' inst 340' of vent pipe with 260' perforated. Slurried approx. 38 sacks of coke.

Rectifier Size: 60 V 30 AAddn'l Depth —Depth Credit: -160 + 40' = 200'Extra Cable: 249'Ditch & 1 Cable: 361'25' Meter Pole: 120' Meter Pole: —10' Stub Pole: —

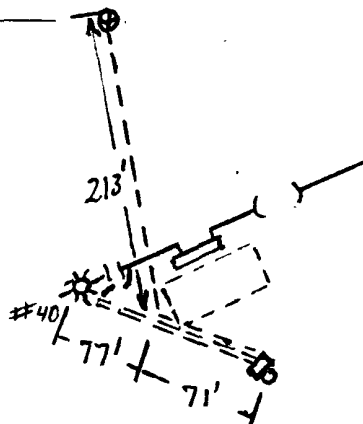
All Construction Completed



(Signature)

GROUND BED LAYOUT SKETCH

8 reg 20T



EPNG will flow neg to #15

#15

6690

CPD 1707 W-5 W 16-27-5
5 5-27-5 40 54 194-19-50-20-44 54 100 W = 79 2540 MA +
15 40034-19-50-20-44 54 100 W = 81 2390 MA +

u = 0K
v = 0K

Page 1
Date 9-22-83
By RLB

Drilled to 40' approx 30' sugar sand
at top of hole - Reamed to 37' + set
40' of plastic casing - 2 1/2 hrs.
Drilled to 160' waited 30 min
caught water sample. Caught
second water sample next am.
water standing at 85' water
formation at 110' Drilled to 340
Logged 340' 38 sacks coke
340' vent pipe with 240 perf

- ① 295-110-2.27
 - ② 285-1.32-2.63
 - ③ 240-1.10-3.20
 - ④ 230-1.80-4.10
 - ⑤ 220-1.88-4.39
 - ⑥ 210-1.45-3.39
 - ⑦ 140-1.04-2.12
 - ⑧ 150-1.51-2.84
 - ⑨ 140-1.89-3.55
 - ⑩ 130-1.87-3.41
- 11.57V 12.15 A = .95 ohms

28	110	41	240	1.13	3	10 hrs
25		1.00		.92		
24	120	.87	250	.42		
23		1.30		.33		
22	130	1.75-10	260	.28		
21		.63		.30		
20	140	1.78-9	270	.35		
19		1.69		.38		
18	150	1.04-8	280	.74		
17		.89		1.34	2	
16	160	1.03-7	290	1.21		
15		.65		.96	1	
14	170	.38	300	.45		
13		.46		.42		
12	180	.77	310	.34		
11		.46		.30		
10	190	.46	320	.30		
9		.64		.38		
8	200	.71	330	.37		
7		1.24		.35		
6	210	1.53-6	340		340	
5		1.79				
4	220	1.95-5	350			
3		2.11				
2	230	1.59-4	360			
1		1.15				

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

ANALYSIS NO.: 1-10908
OPERATOR: EPNG
LOCATION: 16-27-5
FIELD: BLANCO
SAMPLED FROM: 110 FEET CPS 1707
DATE SAMPLED: 10-26-83
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: 11-3-83
WELL NAME: S. J. 27-5 #40 CPS 1707W
COUNTY: R.A. STATE: NM
FORMATION:

BY: ROBERT J. BABNICK
CASING PRESSURE:

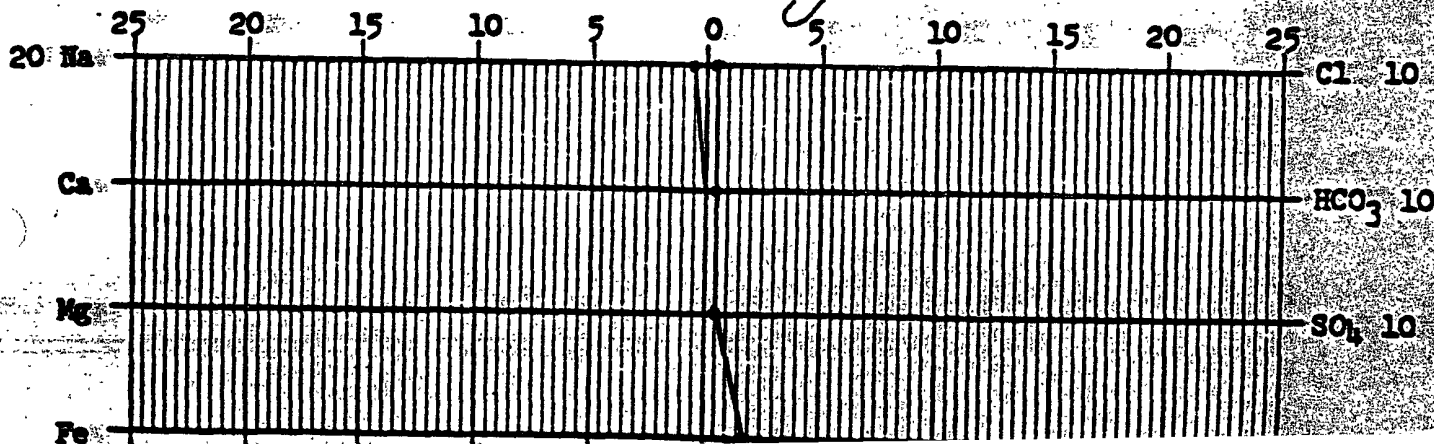
	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	10	3.2	320		
P ALKALINITY	10	.4	40		
BICARBONATE	10	2.4	240	293	4.80
CARBONATE	10	.8	80	48	1.60
CHLORIDE	10	.5		50	1.41
SULFATE				100	2.08
TOTAL HARDNESS	10	0	0		
CALCIUM	10	0	0	0	0.00
MAGNESIUM	10	0	0	0	0.00
IRON				0.00	0.00
SODIUM (CALCULATED)				227	9.89
H ₂					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1040	
pH				8.8	
SPECIFIC GRAVITY					
RESISTIVITY					
CONDUCTIVITY					

NO TEST AT 60F
666 OHM-CM AT 73 F
1500 MICROMHOS @ 25C.

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

CC: R. A. ULLRICH
D. C. ADAMS
E. R. PAULEK
W. B. SHROPSHIRE
FILE

Joe Brannett
CHEMIST



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

S.J. 27-5 #

40 E #15

CPS 1707 W

DAILY DRILLING REPORT

LEASE 27-5 # WELL NO. 40 E #15 CONTRACTOR SAT RIG NO. CPS 1707 W REPORT NO. DATE 9-22 1983

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	30	sand							
					30	340	shale + S.S.							
							STINGS							

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SL L 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

REMARKS -	REMARKS -	REMARKS -
	2 1/2 hr. reaming + setting casing 40ft	
	water at 100 ft 1/2 gal min.	
	water at 240 ft	
	water came to 80 ft of	
	Top of hole	

SIGNED: Toolpusher

D. Alvarez

Company Supervisor

Robert Babnick