

1240

30-039.21927

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. 25 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #78A
cps 1489w

Elevation 6254' Completion Date 7/30/80 Total Depth 180' 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. N/A

Depths gas encountered: N/A

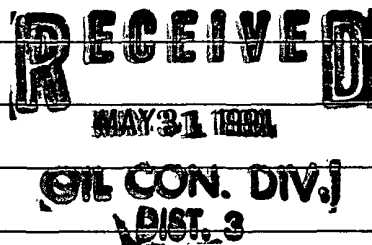
Type & amount of coke breeze used: 20 SACKS

Depths anodes placed: 150', 135', 125'

Depths vent pipes placed: 160'

Vent pipe perforations: 60'

Remarks: gb #2



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). ☐

2"X60" D4RIRON

Completion Date 7-30-80

Well Name S.J. 30-6#78A		Location SE25-30-7		CPS No. 1489W	
Type & Size Bit Used 6 3/4 Rock				Work Order No. 57586-21	
Anode Hole Depth 420 Log 417	Total Drilling Rig Time	Total Lbs. Coke Used 5000	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 385	# 2 375	# 3 345	# 4 305	# 5 295	# 6 285
# 7 275	# 8 150	# 9 135	# 10 125		
Anode Output (Amps)					
# 1 2.6	# 2 3.1	# 3 2.0	# 4 2.0	# 5 2.5	# 6 2.1
# 7 2.1	# 8 3.6	# 9 3.2	# 10 3.4		
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 12.1	Amps 15.4	Ohms .79			

Remarks: STATIC $\frac{1}{2}$ 600'E = .71 UNION=good Drillers SAID WATER AT 100'. CAUGHT WATER SAMPLE - would NOT separate - DRILLED 420' Logged 417' INST 420' VENT WITH 320' PERF. CAIVING SHALE AT 85' HAD trouble WITH ANODES 3,4,5,6, & 7. HOLE CAVED IN AFTER #7 Responded DRILLED second hole to 180' Logged 170' INST 160' VENT WITH 60' PERF. (30 SACKS COKE #1 20 SACKS #2)

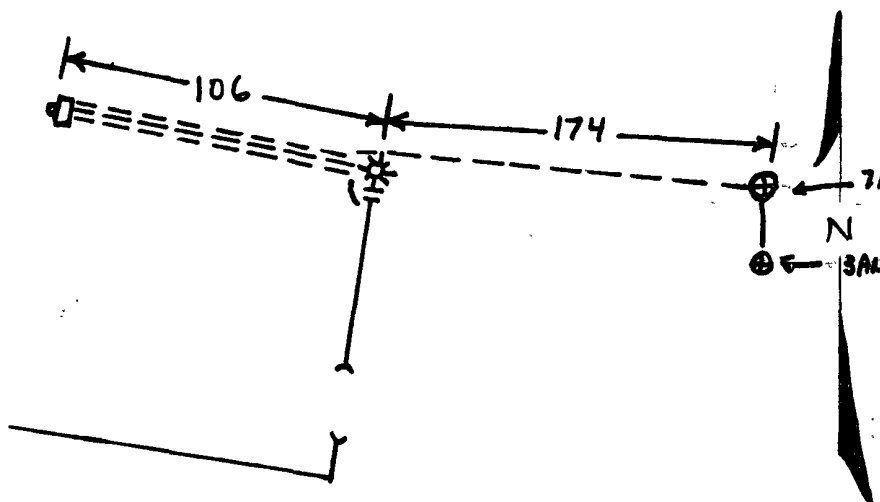
20' METER LOOP
40V16A RECT
JCT BOX
DITCH & CABLE = 280
EXTRA CABLE = 232
Hole depth = -83

Time	Res	O.T.
7-29-80	8	5
7-30-80		2

All Construction Completed

Robert J. Balink
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6254

San Juan 3D-6 # 78A Three C Drilling 2 CPS 1489
LEASE SE 25-3D-7 WELL NO. CONTRACTOR RIG NO. REPORT NO. 57586-2P DATE July 29 1980

MORNING					DAYLIGHT					EVENING				
Driller Kevin Burge		Total Men In Crew 3			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	100	sand shale water sand												
100	200	shale												
200	420	shale sandstone												

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SER. NO.		STANDS			SER. NO.		STANDS			SER. NO.		STANDS		
SIZE 6 3/4		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 - Water at 100' it was making 1 Gpm. Logged 417	REMARKS -	REMARKS -

SIGNED: Toolpusher

Kevin Burge

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 7-29-80
By: RJB
File: 1489W

S.J.30-6 #78A SE25-30-7

1489W

7-29-13 Hrs

S7586-21

ST 43400' E = .71 u = good

TOWN OF FARMINGTON

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

DRILLER SAID WATER AT 100' CAUGHT + WATER SAMPLE - WOULD NOT SEPERATE - STARTED INJECTION DRILLED TO 420' LOG 417' INST. 420' VENT PIPE WITH 320' PERF. CAVING SHALE AT 85' HAD TROUBLE GETTING #3 DOWN #4 HESITATED AT 85' HIT WATER AT 100' #5 RAN UP AND DOWN HOLE AT 85' SEVERAL TIMES COKE 3 + 2 BAGS THEN RAN #6 STOPPED AT 85' KNOCKED OUT CAVE IN RAN #7 COKE OVER 7 3 BAGS #8 WOULD NOT GO DOWN PAST 48' DRILLED SECOND HOLE 30' OFFSET TO 180' LOG 170' INST 160' VENT WITH 60' PERF 30 SACKS OF COKE HOLE #1 20 SACKS OF COKE HOLE #2			
90	.6	90	1.2
	.3		1.4-5
100	.8	300	1.4
	1.1		1.1-4
10	1.3	10	1.0
	1.1		.9
20	1.2	20	.8
	1.3		.6
30	1.1	30	.6
	1.3		.6
40	1.0	40	.8
	1.1		1.1-3
50	1.5	50	.9
	1.2-1.5		.8
60	1.3	60	.8
	1.2-1.1H		.9
70	1.4	70	1.4
	1.2-9		1.7-2
80	1.2	80	1.2
	1.3-8		1.3-1
90	1.1	90	1.1
	.7		1.1
200	.5	400	1.0
	.3		-417TD
10	.3	10	
	.3		
20	.2	20	
	.2		
30	.3	30	
	.3		
40	.4	40	
	.6		
50	.6	50	
	.5		
60	.5		
	.5		
70	.8		
	1.2-7		
80	.7		
	1.1-6		

- ① 385 - 1.3 - 2.6
- ② 375 - 1.3 - 3.1
- ③ 345 - 1.1 - 2.0
- ④ 305 - 1.1 - 2.0
- ⑤ 295 - 1.4 - 2.5
- ⑥ 285 - 1.1 - 2.1
- ⑦ 275 - 1.2 - 2.1
- ⑧ 185 - 1.50 - 1.6 - 3.6
- ⑨ 175 - 1.35 - 1.4 - 3.2
- ⑩ 165 - 1.25 - 1.4 - 3.4

12.1 v 15.4 A = .79 ohms