

1251 #12A 30-039-21863
#79E 30-039-23833

E

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. 7 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #12A, #79E

cps 1542w

Elevation 6664' Completion Date 7/16/80 Total Depth 400' 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. DAMP AT 90' WATER 170' - 180' TOO MUDDY

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 335', 325', 315', 270', 260', 245', 230', 220', 210', 200'

Depths vent pipes placed: 400'

Vent pipe perforations: 250'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 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

8. Arco Ref
2. Sino T

Drilling Log (Attach Hereto) ☐

79E

2" x 60" DUREIRON

Completion Date 7-16-80

Well Name S-J 28-5 #12A		Location SE 7-28-5		CPS No. 1542W	
Type & Size Bit Used 6 3/4"		STATIC .92		Work Order No. 57542-21	
Anode Hole Depth 400	Total Drilling Rig Time 392TD	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 335	# 2 325	# 3 315	# 4 270	# 5 260
	# 6 245	# 7 230	# 8 220	# 9 210	# 10 200
Anode Output (Amps)	# 1 3.5	# 2 2.4	# 3 2.9	# 4 3.7	# 5 3.3
	# 6 3.7	# 7 3.0	# 8 4.3	# 9 5.1	# 10 4.7
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.5		Amps 17.6		Ohms .65
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

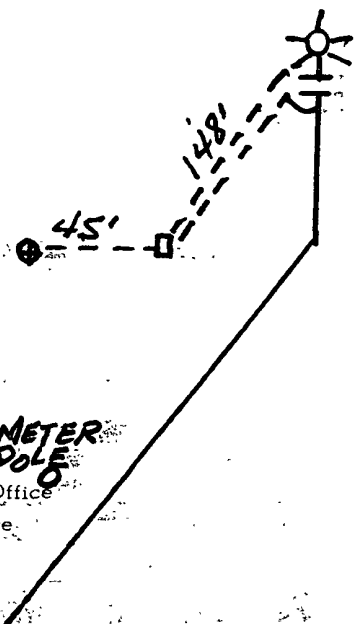
Remarks: **UNION - OK DAMP AT 90' GOOD WATER AT 172**
180' SAMPLE TO MUDY DRILLED TO 400
LOGED TO 392' TD
250' 1" VENT PIPE PERFORATED 1SD PLAIN
NOTE: CONTRACTOR UNABLE TO PLOW TO ROCKY.

All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH



20' METER POLE
OFF LOCATION
STUB POLE
40/16 RECT
HOLE = -108'

WIRE CABLE NBN
WIRE CABLE NBN
SEE NOTE

DISTRIBUTION:

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

6604

UNION = OK 1542 W. . 57542-21
 STATIC = .92
 ST 28-5 #12A SE 7-28-5

DAMP AT 90 GOOD WATER AT 170-180
 SAMPLE TO MUDY DRILL TO 400'
 LOGGED TO 392' TD

260' 1" PERFORATED VENT 11.5V 17.6A = .65Ω
 150' 1" PLAIN

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	iC4 12.38
58.12	nC4 11.93
72.15	iC5 13.85
72.15	nC5 13.71
86.18	iC6 15.50
86.18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.05	C2 9.64
42.08	C3 9.67

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

150	1.4		
55	1.1	30	1.5 - ①
60	1.0	35	1.7 - ①
65	1.1	40	1.3
70	1.0	45	1.4 - ①
75	1.0	50	1.2
80	.9	55	1.7
85	1.9	60	1.5 - ①
90	2.1	65	1.5
95	2.3	70	1.7 - ①
200	2.3 - ①	75	1.8 - ①
5	2.3	80	1.2
10	2.3 - ①	85	.6
15	2.1 - ①	90	.4
20	2.0 - ①	95	.4
25	1.6	300	.5
1	335 -	2.3 -	3.5
2	325 -	1.5 -	2.4
3	315 -	1.4 -	2.3
4	270 -	2.4 -	3.7
5	260 -	1.9 -	3.3
6	245 -	2.4 -	3.7
7	230 -	1.7 -	3.0
8	220 -	2.0 -	4.3
9	210 -	3.3 -	5.1
10	200 -	3.2 -	4.7
			5
			10
			15
			20
			25
			30
			35
			40
			45
			50
			55
			60
			65
			70
			75
			80
			85
			90
			95
			400

CPS-1542 W San Juan 28-5 #12A W.O.# 57543-21 SE 7-28-S.M.V. LEASE WELL NO. CONTRACTOR 3-C Drilling RIG NO. #1 REPORT NO. DATE July 16 1960

MORNING					DAYLIGHT					EVENING				
Driller <u>Brian</u>		Total Men In Crew <u>3</u>			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 <u>1 1/2</u> SIZE <u>20'</u> LENG.			BIT NO.		NO. DC <u>1 1/2</u> SIZE <u>20'</u> LENG.			BIT NO.		NO. DC <u>1 1/2</u> SIZE <u>20'</u> LENG.		
SER. NO.		STANDS			SER. NO.		STANDS			SER. NO.		STANDS		
SIZE <u>6 3/4</u>		SINGLES <u>16</u>			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH <u>320' T.D.</u>			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		
0	20	sandstone			200	260	shale - RED							
20	90	shale			260	300	shale							
90	100	sand			300	320	sandy shale							
	160	shale			320	340	shale							
100	180	sand - water			340	360	Bentonite							
180	200	shale			360	400	sand							
REMARKS -					REMARKS - Drilled to 180' water standing NEXT A.M. AT APPROX. 175' Hole making approx 1 gallon per minute. blew out mud not enough to get sample. Hole was not clean above, Total Hole Depth 320' 400' Total Log Depth 395' Had to go deeper					REMARKS -				

SIGNED: Toolpusher

Brian Bunge

Company Supervisor