

1233

E

30-045-23374

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

Operator MERIDIAN OIL Location: Unit NW Sec. 34 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced BOLIN A #1A

cps 1496w

Elevation 6500 Completion Date 8/11/80 Total Depth 640' 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. 170' - 190'

Depths gas encountered: N/A

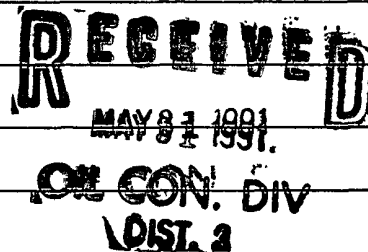
Type & amount of coke breeze used: 57 SACKS

Depths anodes placed: 410', 400', 390', 380', 370', 360', 350', 340', 270', 255'

Depths vent pipes placed: 640'

Vent pipe perforations: 460'

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

8 Hrs log
8 Hrs log
3 ✓ OT
8-12-80
8-11-80

Drilling Log (Attach Hereto) ☐

2" x 60" DURIRON

Completion Date 8-11-80

Well Name BOLIN "A" #1A		Location NW 34-29-8		CPS No. 1496 W	
Type & Size Bit Used 6 3/4		STATIC = .78		Work Order No. 57620-21	
Anode Hole Depth 640 610TD		Total Drilling Rig Time 57BAGS		Lost Circulation Mat'l Used	
Anode Depth		Total Lbs. Coke Used		No. Sacks Mud Used	
# 1 410	# 2 400	# 3 390	# 4 380	# 5 370	# 6 360
# 7 350	# 8 340	# 9 270	# 10 255		
Anode Output (Amps)					
# 1 1.8	# 2 2.1	# 3 2.8	# 4 2.6	# 5 2.8	# 6 2.8
# 7 3.1	# 8 2.4	# 9 2.9	# 10 2.1		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts 12.4	Amps 12.4	Ohms 1.0			No. 2 C.P. Cable Used

Remarks: UNION = OTC DUMP 170'-190' DRILL TO 200' SET
OVER NIGHT NEXT AM BLOW MUD & DUMP SHALE
WILL MAKE SMALL AMOUNT WATER, STARTED
INJECTING AT 350' DRILL TO 640 LOG TO 610'
460' 1" PERFORATED VENT 180' PLAIN

NOTE:

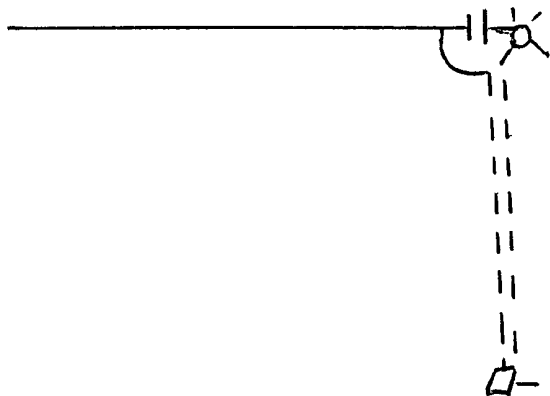
TO ROCKY FOR CONTRACTOR
TO PLOW

All Construction Completed

BT

(Signature)

GROUND BED LAYOUT SKETCH



20' METER POLE
 40/16 RECT.
 NO DITCH + CABLE
 HOLE = +110'

N

DISTRIBUTION:

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

6500

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

Bolin "A"

#1A

Three C Drilling

2

CBS 1496-W

LEASE NW 34-29-8

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO. 57620-21

DATE August 12

1980

MORNING

DAYLIGHT

EVENING

Driller <u>Kevin Burge</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.
0	100	sandstone shale												
100	200	sandstone shale												
200	300	shale sandstone												
300	400	sandstone shale												

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 <u>6 3/4</u>		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
400	500	sandstone						
500	640	sandstone						

REMARKS - <u>Wet at 180' logged 640'</u>	REMARKS -	REMARKS -

SIGNED: Toolpusher

Kevin Burge

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 8/11/8

Date:

By: BT

File:

UNION = OIL
STATIC = .78 1496 W

57620-21

BOLIN "A" #1A

NW34-29-8

DAMP 170-191. DRILLED TO 200 SET DUE 12
NIGHT. NEXT AM BLOW PROD + DAMP SHALE. WILL
MAKE SOME WATER. HAD TO START INJECTING AT
350. DRILLED TO 640' LOGGED TO 610'
460' 1" PERFORATED VENT 180' PLAIN. 57 BAG CONE

$$12.4V \quad 12.4A = 1.0 \Omega$$

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	17.46
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	4.19
2.02	H ₂	3.37

	300	400	500	600
5	.17	.51	.53	.66
10	.17	.94 - ①	.33	TD
15	.19	.95	.40	
20	.34	.98	.23	
25	.31	.76	.30	
30	.38	.57	.35	
35	.27	.52	.32	
40	.20	.47	.35	
45	.31	.46	.48	
50	.50	.45	.44	
55	1.06	.39	.30	
60	1.42 ⑩	.28	.39	
65	1.44	.63	.33	
70	1.76 ⑨	.57	.36	
75	1.55	.26	.62	
80	.93	.17	.64	
85	.66	.15	.55	
90	.56	.16	.61	
95	.48	.19	.65	
100	.56	.31	.63	

$$\begin{aligned}
 1 &= 410 = 1.1 = 1.8 \\
 2 &= 400 = 1.6 = 2.1 \\
 3 &= 390 = 1.8 = 2.8 \\
 4 &= 380 = 1.5 = 2.6 \\
 5 &= 370 = 1.8 = 2.8 \\
 6 &= 360 = 1.6 = 2.8 \\
 7 &= 350 = 1.9 = 3.1 \\
 8 &= 340 = 1.3 = 2.4 \\
 9 &= 270 = 2.2 = 2.9 \\
 10 &= 255 = 1.5 = 2.1
 \end{aligned}$$