

1068

30-045-20937

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. 28 Twp 32 Rng 6

Name of Well/Wells or Pipeline Serviced EPNG B #1

cps 1784w

Elevation 6406' Completion Date 9/3/85 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. 90' & 120'

Depths gas encountered: N/A

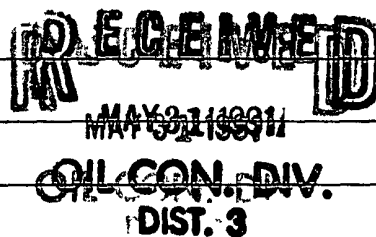
Type & amount of coke breeze used: 5000 lbs.

Depths anodes placed: 380', 370', 360', 350', 335', 325', 305', 290', 270', 115'

Depths vent pipes placed: 395'

Vent pipe perforations: 320'

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

Drilling Log (Attach Hereto). ☐Completion Date 9/3/85

CPS #	Well Name Line or Plant	Work Order #	Static	Ins Union Check
1784 W	E.P.N.G. B #1		600' W = .81 V	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
SE 28-32-6	2" X 60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
400	395'		5000	
Anode Depth				
# 1 380	# 2 370	# 3 360	# 4 350	# 5 335
# 6 325	# 7 305	# 8 290	# 9 270	# 10 115
Anode Output (Amps)				
# 1 4.1	# 2 3.9	# 3 2.9	# 4 3.1	# 5 3.0
# 6 2.8	# 7 3.0	# 8 2.9	# 9 2.9	# 10 3.0
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 12.31	Amps 12.4	Ohms .71		

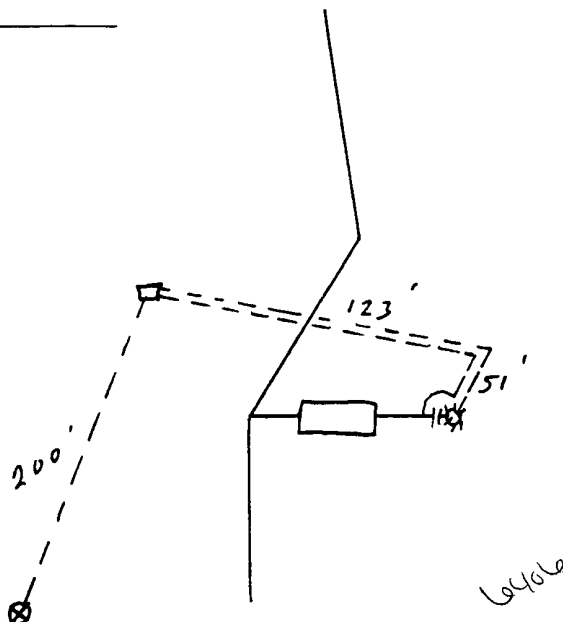
Remarks: Drilled 40' on Friday, NO WATER in Hole next Tuesday A.M. Hit WATER AT 90', Approx. 1 GAL./min. Drilled To 120', could NOT Dry Hole up, STARTED IMV. Drilled To 400', Logged 395'. INSTALLED 395' of 1" P.V. VENT Pipe Perforated To 75'.

Rectifier Size: 40 V 16 A
 Addn'l Depth: —
 Depth Credit: 105'
 Extra Cable: ~~304'~~ 204'
 Ditch & 1 Cable: 374'
 25' Meter Pole: —
 20' Meter Pole: 1
 10' Stub Pole: —

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.
9/3/85	10	4

C.P.S 1784 W

LEASE EPING WELL NO. B #1 CONTRACTOR RIG NO. REPORT NO. DATE 9/3/85 19

MORNING					DAYLIGHT					EVENING							
Driller <u>TIM C RIFFEL</u> Total Men In Crew <u>6</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		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SERIAL 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 -							
0-60 SAND STONE / BROWN SHALE																	
60-90 BROWN SHALE / SAND STONE																	
90-100 SAND STONE (C WATER) (16 P.M)																	
100-150 GRAY SHALE																	
150-190 SAND STONE / GRAY SHALE																	
190-200 BLUE SHALE																	
395 T.D.																	

SIGNED: Toolpusher TIM C RIFFEL Company Supervisor _____

EL PASO NATURAL GAS COMPANY

Form 7-354 (Rev 11-77)

Sheet of
Date: 9/3/85
By: jk

CPS 1784 W

EPNG. B²

SE 28-32-6

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

100 - 1.5	260 - .7	Drilled 410' on Friday, NO WATER IN HOLE NEXT Tuesday A.M. HIT WATER AT 90', Approx. 1 gal/min. Drilled To 120', could not dry Hole up, Took WATER SAMPLE AND STARTED injecting. Drilled To 400', Logged 395'. Installed 395' of 1" P.V.C. VENT Pipe Perforated To 75'.
1.5	.6	
10 - 1.2	70 - .8 - ⑤	
1.3 - ⑩	.7	
20 - 1.0	80 - .6	
1.0	.6	
30 - .7	90 - .8 - ⑧	
.8	.7	
40 - .6	300 - .7	
.2	.8 - ⑦	
50 - .2	10 - .7	12.31 V. 17.4 A = .71 Ω
.2	.7	
60 - .3	20 - .5	
.4	.8 - ⑥	
70 - .4	30 - .8	
.4	.9 - ⑤	
80 - .5	40 - .6	
.5	.8	
90 - .6	50 - .9 - ④	
.7	.9	
200 - .6	60 - .9 - ③	1-380-1.2-4.1 2-370-1.1-3.9 3-360-1.0-2.9 4-350-.9-3.1 5-335-.9-3.0 6-325-.9-2.8 7-305-1.0-3.0 8-290-.9-2.9 9-270-1.1-2.9 10-115-1.3-3.0
.4	1.0	
10 - .5	70 - 1.0 - ②	
.6	.9	
20 - .8 -	80 - 1.1 - ①	
.7	1.2	
30 - .7	90 - 1.2	
.5	395 T.D	
40 - .7	400 -	
.6		
50 - .6		
.7		