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30-045-23373

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. 30 Twp 29 Rng 8

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

cps 1495w

Elevation 6495 Completion Date 8/18/80 Total Depth 580' 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 260' - 280', 310' - 330'

WATER 430' - SAMPLE TAKEN

Depths gas encountered: N/A

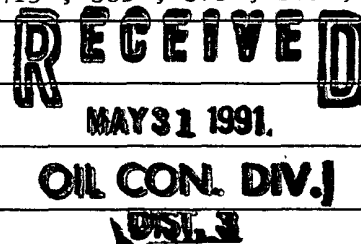
Type & amount of coke breeze used: N/A

Depths anodes placed: 490', 480', 470', 460', 415', 385', 375', 365', 320', 310'

Depths vent pipes placed: 580'

Vent pipe perforations: 260'

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 No. 0T
1 No. 0T
8 No. 0T
3 No. 0T
8/19/80
8-18-80

Drilling Log (Attach Hereto). ☐

2" x 60" DURIRON

Completion Date 8-18-80

Well Name BOLIN #1A		Location SE 30-29-8		CPS No. 1495 W	
Type & Size Bit Used 6 3/4"		STATIC .79		Work Order No. 57619-21	
Anode Hole Depth 580 - 520 TD	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 490	#2 480	#3 470	#4 460	#5 415	#6 385
#7 375	#8 365	#9 320	#10 310		
Anode Output (Amps)					
#1 1.6	#2 2.6	#3 1.6	#4 1.3	#5 1.9	#6 1.8
#7 2.6	#8 2.2	#9 2.7	#10 2.1		
Anode Depth					
#11 295	#12 285	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11 2.6	#12 3.1	#13	#14	#15	#16
#17	#18	#19	#20		
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 12.3	Amps 14.4	Ohms .85			

Remarks: * #1 & #4 Anodes would not respond to case. Ran 2 more anodes. Pump at 260' - 280' drilled to 300' let over night. Blow sample mud & water. Part of sample bottle. Pump again at 310 - 330 wait 30 min. No Blow. More water at 430' drilled to 580' logged to 520' 260' 1" Perforated Vent 320' 1" Plain.

All Construction Completed

BT
(Signature)

STUB POLE

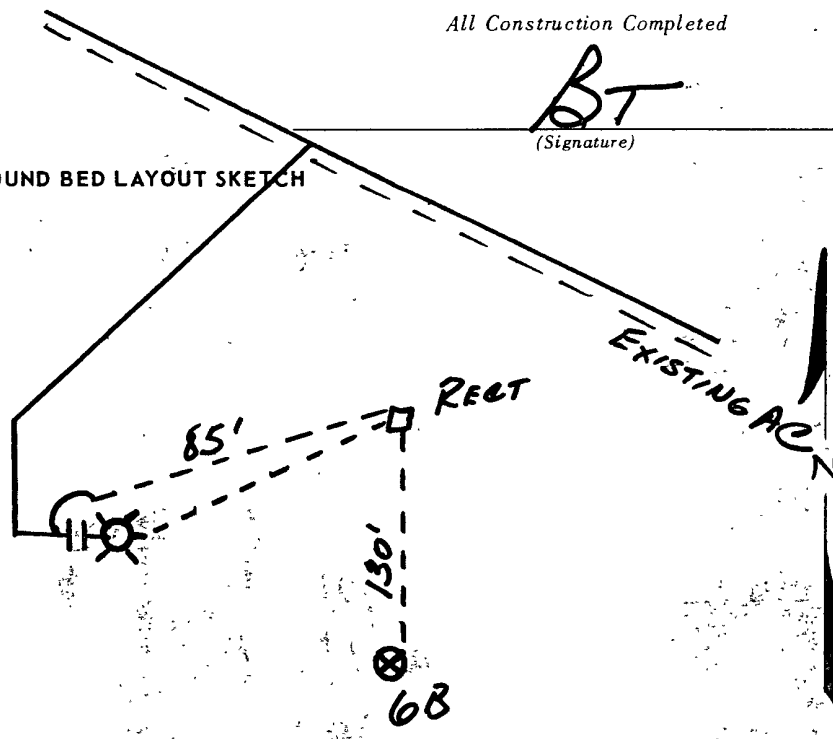
40116 RECT

DITCH 1 CABLE = 215'

XTRA CABLE = 115'

HOLE = +20'

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

1495

DRILLING DEPARTMENT

DAILY DRILLING REPORT

Bowling

#1A

Three C Drilling
CONTRACTOR

2

CB 1495

LEASE *SE* 30-79-8

WELL NO.

CONTRACTOR

RIG NO.

REPORT NO. 5769-2 DATE August 19 1980

MORNING

DAYLIGHT

EVENING

Driller Kevin Burge

Total Men In Crew 3

Driller

Total Men In Crew

Driller

Total Men In Crew

[illegible]

	NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____
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 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

[illegible]

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
325	360	sand stone						
360	390	shale						
390	415	sand stone						
415	425	shale						
425	520	sandstone shale						
520	580	shale						

[illegible]

SIGNED: Toolpusher

Kevin Bunge

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 8/18/8

Date: 8-19-8

By: BT

File: 57619-21

UNION = OK
STATIC = .79

1495W

57619-21

BOLIN 1A

SE-30-29-8

DAMP AT 260-280 DRILL TO 300' SET OVER
NIGHT BLOW SAMPLE MUD & WATER. PART OF SAMPLE
BOTTLE, DAMP AGAIN 310-330 WAIT 30 MIN. NO BLOW
MORE WATER AT 430' DRILLED TO 580' SET OVER NIGHT
FILLED TO 300' TO LOG. 520' TD.

#1 & #4 - would not respond to core.
Ran 2 more anades

12.3V 144A = .85 n

MW		gals/mol
16.04	C1	6.4
30.07	C2	10.12
44.10	C3	10.42
58.12	C4	12.38
58.12	nC4	11.93
72.15	C5	13.85
72.15	nC5	13.71
86.18	C6	15.50
86.18	C6	15.57
100.21	C7	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

250		55	.6	55	.6	55
60		60	.9	60	.9	60
65		65	1.0	65	1.2	65
70		70	1.6	70	8	70
75		75	1.8	75	1.0	75
80	1.9	80	1.7	80	1.4	80
85	1.7	85	1.5	85	2.0	85
90	1.4	90	1.2	90	1.5	90
95	1.1	95	.8	95	1.3	95
300	1.2	400	.5	500	1.0	600
5	.9	5	.4	5	.9	
10	1.1	10	.4	10	.6	
15	1.4	15	.5	15	.4	
20	2.0	20	1.0	20		TD
25	1.6	25	1.3	25		
30	.6	30	.6	30		
35	.4	35	.6	35		
40	.8	40	.7	40		
45	.7	45	.7	45		
50	.6	50	.7	50		
1 = 490'	1.4	1.6	x			
2 = 480'	1.6	2.6				
3 = 470'	1.1	1.6				
4 = 460'	1.2	1.3	x			
5 = 415'	1.3	1.9				
6 = 385'	1.3	1.8				
7 = 375'	1.7	2.6				
8 = 365'	1.2	2.2				
9 = 320'	2.0	2.2				
10 = 310'	1.3	2.1				
11 = 295'	1.7	2.6				
12 = 285'	1.7	3.1				

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

Analysis No. 1-10025 Date 11-12-80

Operator El Paso Natural Gas Well Name Bolin #1A

Location SE 30-29-8 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From CPS 1495 W @ 260 ft.

Date Sampled 8-18-80 By B.T.

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium	ppm	epm	Chloride	ppm	epm
	<u>156</u>	<u>6.8</u>		<u>50</u>	<u>1.4</u>

Calcium	ppm	epm	Bicarbonate	ppm	epm
	<u>584</u>	<u>29.2</u>		<u>195</u>	<u>3.2</u>

Magnesium	ppm	epm	Sulfate	ppm	epm
	<u>137</u>	<u>11.3</u>		<u>2050</u>	<u>42.6</u>

Iron	ppm	epm	Carbonate	ppm	epm
	<u>No test</u>			<u>0</u>	<u>0</u>

H ₂ S	ppm	epm	Hydroxide	ppm	epm
	<u>No test</u>			<u>0</u>	<u>0</u>

cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

Total Solids Dissolved 3438

pH 7.7

Sp. Gr. 1.0114 At 60°F

Resistivity 267 ohm-cm at 77°F

Joe Barnett
Chemist

