

1139 #119

30-045-27130

30-045-21356

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 SW Sec. 29 Twp 32 Rng 6Name of Well/Wells or Pipeline Serviced ALLISON UNIT #119, NP #41

cps 1774w

Elevation 6373' Completion Date 9/5/85 Total Depth 380' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 100' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4275 lbs.Depths anodes placed: 355', 345', 335', 325', 310', 300', 290', 275', 265', 255'Depths vent pipes placed: 378'Vent pipe perforations: 300'Remarks: rgb #1**RECEIVED**

MAY 31 1991

OIL CON. DIV.]

DIST. 3

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 9/5/85

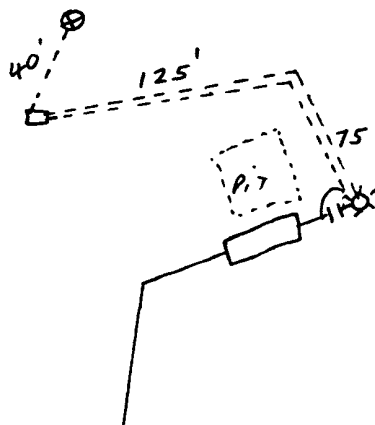
CPS #		Well Name, Line or Plant: <u>X119</u>		Work Order #		Static: <u>600 N = .76V</u>		Ins Union Check	
<u>1774 W</u>		<u>ALLISON UNIT WP 41</u>						☒ Good ☐ Bad	
Location: <u>SW 29-22-6</u>		Anode Size: <u>2" X 60"</u>		Anode Type: <u>Durion</u>		Size Bit: <u>6 3/4"</u>			
Depth Drilled: <u>380'</u>		Depth Logged: <u>378'</u>		Drilling Rig Time		Total Lbs. Coke Used: <u>4725</u>		Lost Circulation Mat'l Used	
Anode Depth									
# 1 <u>355</u>	# 2 <u>345</u>	# 3 <u>335</u>	# 4 <u>325</u>	# 5 <u>310</u>	# 6 <u>300</u>	# 7 <u>290</u>	# 8 <u>275</u>	# 9 <u>265</u>	# 10 <u>255</u>
Anode Output (Amps)									
# 1 <u>2.7</u>	# 2 <u>3.1</u>	# 3 <u>3.0</u>	# 4 <u>2.9</u>	# 5 <u>3.0</u>	# 6 <u>3.1</u>	# 7 <u>3.1</u>	# 8 <u>2.9</u>	# 9 <u>2.8</u>	# 10 <u>3.0</u>
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 <u>11.9</u>		Amps <u>15.6</u>		Ohms <u>.76</u>					

Remarks: Drilled To 100', HAD Approx. 10-15' of WATER STANDING IN
HOLE NEXT A.M. TOOK WATER SAMPLE. Drilled To 380' Logged 378'.
INSTALLED 328' of 1" P.V.C. VENT Pipe, Perforated To 78'.

Rectifier Size: 40 V 16 A
 Addn'l Depth: —
 Depth Credit: 122
 Extra Cable: 230'
 Ditch & 1 Cable: 240'
 25' Meter Pole: —
 20' Meter Pole: 1
 10' Stub Pole: —

All Construction Completed

GROUND BED LAYOUT SKETCH



Time	Avg.	O.T.
<u>9/5/85</u>	<u>10</u>	<u>0</u>

6373

C.P.S. 1774 W

Terri C. Ryff

Company Supervisor

CPS 1774 W

ALLISON UNIT #41

SW 29-32-6

Drilled To 100'. HAD Approx
10'-15' of WATER STANDING
in Hole next A.M. Took
WATER SAMPLE. Drilled
To 380', Logged 378'
INSTALLED 378' of 1" P.V.C.
VENT Pipe Perforated
To 78'.

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 -	200 -	.7	8 - ④
10 -	70 -	.7	.9 - ④
20 -	80 -	.8	.8
30 -	90 -	.9	.9 - ①
40 -	300 -	.8	.8
.4		.7	
50 -	10 -	.8	.8 - ⑤
.4		.7	
60 -	20 -	.8	.8 - ④
.4		.8	
70 -	30 -	.8	.8 - ③
.4		.9	
80 -	40 -	1.1	1.1 - ②
.6		1.2	
90 -	50 -	1.2	1.2 - ①
.6		1.3	
200 -	60 -	1.2	
.7		1.3	
10 -	70 -	1.2	
.6			
20 -	80 -	378 T.D.	
.5			
30 -	90 -		
.7			
.7			
40 -	400 -		
.6			
50 -			
.7			
.8 - ⑩			

$$11.9 \text{ V. } 15.6 \text{ A.} = .76 \Omega$$

1 - 355 -	1.2 - 2.7
2 - 345 -	1.1 - 3.1
3 - 335 -	1.0 - 3.0
4 - 325 -	1.0 - 2.9
5 - 318 -	1.0 - 3.0
6 - 300 -	.8 - 3.1
7 - 290 -	.9 - 3.1
8 - 275 -	1.1 - 2.9
9 - 265 -	.9 - 2.8
10 - 255 -	.9 - 3.0

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

ANALYSIS NO.: 1-11767 DATE: OCTOBER 11, 1985
OPERATOR: MERIDIAN OIL WELL NAME: ALLISON UNIT #41 CPS 1774W
LOCATION: SW 29-32-6 COUNTY SJ STATE: NM
FIELD: IGNACIO FORMATION:
SAMPLED FROM: 100 FEET
DATE SAMPLED: SEPTEMBER 5, 1985 SECURED BY:
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml.	III	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	3.5		70		
P. ALKALINITY	50	0		0		
BICARBONATE	50	3.5		70	85	1.40
CARBONATE	50	0		0	0	0.00
CHLORIDE	50	5.3			106	2.97
SULFATE					620	12.90
TOTAL HARDNESS	50	5.9		118		
CALCIUM	50	5.9		118	47	2.36
MAGNESIUM	50	0		0	0	0.00
IRON					ND	
SODIUM (CALCULATED)					343	14.93
H ₂ S					ND	
HYDROCARBONS					ND	
TOTAL DISSOLVED SOLIDS					1076	
pH					7.27	
SPECIFIC GRAVITY				1.0005 AT 60F		
RESISTIVITY				625 OHM-CM AT		
CONDUCTIVITY				1600 MICROMHOS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

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