

1136

#51 30-045-23133^E

#117 30-045-27206

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. 21 Twp 32 Rng 6

Name of Well/Wells or Pipeline Serviced ALLISON UNIT #51, #117

cps 1777w

Elevation 6482' Completion Date 9/12/82 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. 60' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 335', 320', 275', 265', 255', 245', 235', 225', 215', 200'

Depths vent pipes placed: 400'

Vent pipe perforations: BOTTOM 340'

Remarks: gb #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 9-12-85

CPS #		Well Name, Line or Plant: <u>#117</u>		Work Order #		Static: <u>600'w = .76</u>		Ins Union Check	
<u>1777-W</u>		<u>ALLISON UNIT #51</u>						☒ Good ☐ Bad	
Location		Anode Size		Anode Type		Size Bit			
<u>SW21-32-6</u>		<u>2" x 60"</u>		<u>Duriron</u>		<u>6 3/4</u>			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
<u>400</u>		<u>396</u>							
Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)			
# 1	<u>335</u>	# 2	<u>320</u>	# 3	<u>275</u>	# 4	<u>265</u>	# 5	<u>255</u>
# 6	<u>245</u>	# 7	<u>235</u>	# 8	<u>225</u>	# 9	<u>215</u>	# 10	<u>200</u>
# 1	<u>3.3</u>	# 2	<u>3.3</u>	# 3	<u>2.8</u>	# 4	<u>3.5</u>	# 5	<u>3.0</u>
# 6	<u>3.2</u>	# 7	<u>3.6</u>	# 8	<u>3.3</u>	# 9	<u>3.6</u>	# 10	<u>3.4</u>
# 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>12.6</u>		Amps <u>16.9</u>		Ohms <u>.74</u>					

Remarks: Drilled to 140' 9-10-85 hit WATER AT 60'. WATER
STANDING in hole 9-12-85, CAUGHT SAMPLE DRILLED TO 400'
LOGGED . INSTALLED 400' of 1" PVC VENT PIPE, PERFORATE
BOTTOM 340' of VENT pipe
REG. HRS. 10

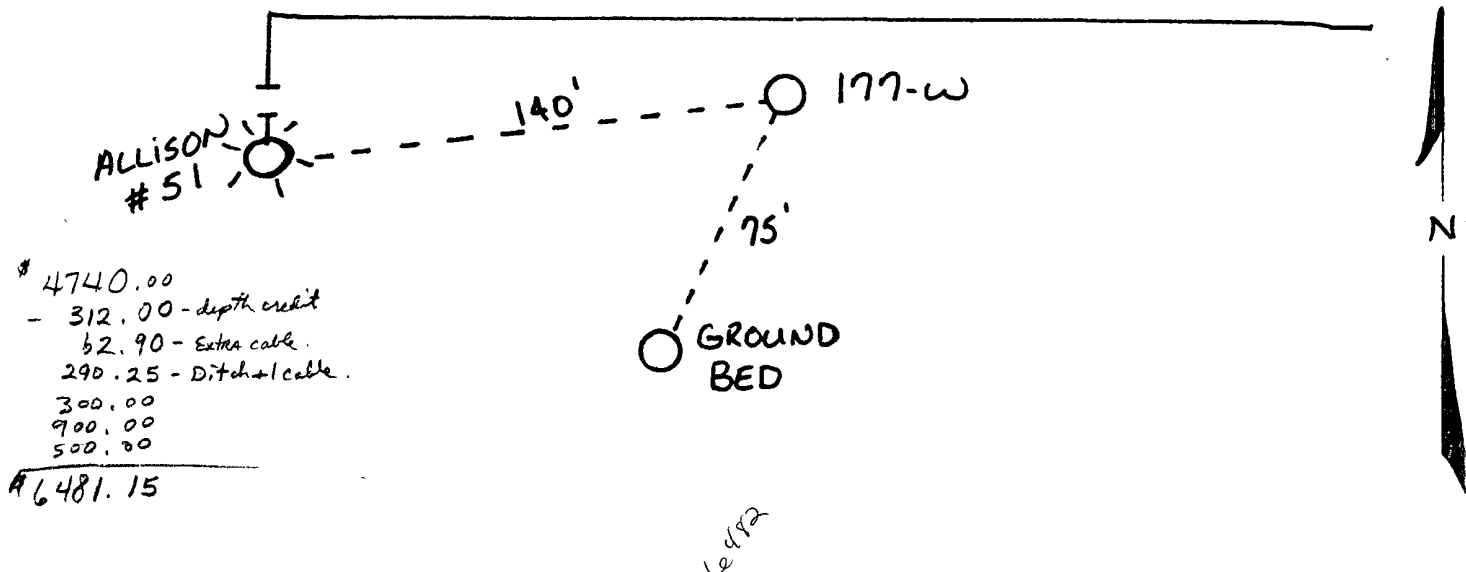
OT. HRS. 1

Rectifier Size: 40 V 16A
 Addn'l Depth: _____
 Depth Credit: 104' x 3.00 = \$312.00
 Extra Cable: 170' x 0.37 = 62.90
 Ditch & 1 Cable: 215' x 1.35 = 290.25
 25' Meter Pole: _____
 20' Meter Pole: 1
 10' Stub Pole: _____

All Construction Completed

Mark R Williams
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE C.R.S 1777-W S.W. 21-32-6
ALLISON UNIT WELL NO. #51 CONTRACTOR

RIG NO.

REPORT NO.

DATE 9/21/85 19

MORNING

DAYLIGHT

EVENING

Driller <u>Tim C Riffel</u> Total Men In Crew <u>5</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.

NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____	
SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____	
SIZE _____		SIZE _____		SIZE _____		SIZE _____	
TYPE _____		TYPE _____		TYPE _____		TYPE _____	
MAKE _____		MAKE _____		MAKE _____		MAKE _____	
STANDS		STANDS		STANDS		STANDS	
SINGLES		SINGLES		SINGLES		SINGLES	
DOWN ON KELLY		DOWN ON KELLY		DOWN ON KELLY		DOWN ON KELLY	
TOTAL DEPTH		TOTAL DEPTH		TOTAL DEPTH		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 -
<u>6-40 SAND STONE / SANDY SHALE</u>		
<u>40-60 BLUE SHALE</u>		
<u>60-80 SAND STONE (WATER SAND)</u>		
<u>80-130 BLUE SHALE</u>		
<u>130-150 SANDY WATER SHALE</u>		
<u>150-400 BLUE / GRAY SHALE</u>		
<u>T.D. 396</u>		

SIGNED: Toolpusher

Tim C Riffel

Company Supervisor

EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 1777-W WELL NAME: Amison # 51

LOCATION: SW21-32-6 DATE: 9-12-85

TOTAL VOLTS: 12.6 TOTAL AMPS: 16.9

OHMS RESISTANCE: .74

												ANODE READINGS			
LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	LOG ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	.8		365	.7		545			①	335	.8	3.3
10			190	.8		370	.7		550			②	320	.8	3.3
15			195	.9		375	.7		555			③	275	.8	2.8
20			200	.9	⑩	380	.8		560			④	265	1.0	3.5
25			205	.8		385	.8		565			⑤	255	.9	3.0
30			210	.8		390	.9		570			⑥	245	1.4	3.2
35			215	.9	⑨	395	1.0		575			⑦	235	.9	3.6
40			220	.8		400			580			⑧	225	1.1	3.3
45			225	.8	⑧	405			585			⑨	215	.9	3.6
50			230	1.0		410			590			⑩	200	1.0	3.4
55			235	1.4	⑦	415			595						
60			240	1.3		420			600						
65			245	1.0	⑥	425			605						
70			250	.8		430			610						
75			255	.8	⑤	435			615						
80			260	.8		440			620						
85			265	.9	④	445			625						
90			270	.9		450			630						
95			275	.8	③	455			635						
100			280	.6		460			640						
105			285	.7		465			645						
110			290	.8		470			650						
115			295	.7		475			655						
120			300	.7		480			660						
125			305	.7		485			665						
130			310	.7		490			670						
135			315	.7		495			675						
140			320	.8	②	500			680						
145			325	.7		505			685						
150	.7		330	.8		510			690						
155	.7		335	.8	①	515			695						
160	.7		340	.8		520			700						
165	.7		345	.7		525			705						
170	.8		350	.8		530			710						
175	.8		355	.7		535			715						
180	.8		360	.7		540			720						

REMARKS: Drilled to 140' 9-10-85 hit water at 60'
CAUGHT SAMPLE. DRILLED TO 400' 9-12-85 LOGGED 396'
INSTALLED 400' 1" PVC VENT PIPE, PERFORATED BOTTOM
340'

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

ANALYSIS NO. 1: E-11789 DATE: NOVEMBER 5, 1985
OPERATOR: MERIDIAN OIL WELL NAME: ALLISON #51 CPS #1777W
LOCATION: N-21-32-6 COUNTY: RIO ARriba STATE: NM
FIELD: FORMATION: SURFACE WATER
SAMPLED FROM: GROUND BED
DATE SAMPLED: OCTOBER 1985 SECURED BY:
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50	6.7	134		
P ALKALINITY	50	0	0		
BICARBONATE	50	6.7	134	163	2.68
CARBONATE	50	0	0	0	0.00
CHLORIDE	50	18.9		378	10.66
SULFATE				302	6.28
TOTAL HARDNESS	50	7.2	144		
CALCIUM	50	6.6	132	53	2.64
MAGNESIUM	50	6	12	3	0.24
IRON				ABSENT	
SODIUM (CALCULATED)				385	16.74
H ₂ S				ABSENT	
HYDROCARBONS				ABSENT	
TOTAL DISSOLVED SOLIDS				1178	
PH				7.5	
SPECIFIC GRAVITY			9864 AT 60F		
RESISTIVITY			476 OHM-CM AT		
CONDUCTIVITY			2100 MICROMHOS @ 25C.		

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

CC: R. A. ULLRICH
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FILE

SANDRA ARAGON

CHEMIST

