

E

456

30-045-22547

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. 34 Twp 32 Rng 10
Name of Well/Wells or Pipeline Serviced SCOTT #5A
cps 1259w
Elevation 5976' Completion Date 5/12/78 Total Depth 375' 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. 162' - 192'
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 375', 365', 355', 345', 320', 310', 300', 290', 280', 260'
Depths vent pipes placed: 380'
Vent pipe perforations: 310'
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 5/12/78

Well Name <u>Scott #5-A</u>		Location <u>SE 34-32-10</u>		CPS No. <u>1259W</u>	
Type & Size Bit Used <u>6 3/4"</u>		Work Order No. <u>57116-21</u>			
Anode Hole Depth <u>410 - 407</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 <u>375'</u>	#2 <u>365'</u>	#3 <u>355'</u>	#4 <u>345'</u>	#5 <u>320'</u>	#6 <u>310'</u>
#7 <u>300'</u>	#8 <u>290'</u>	#9 <u>280'</u>	#10 <u>260'</u>		
Anode Output (Amps)					
#1 <u>3.0</u>	#2 <u>2.2</u>	#3 <u>2.4</u>	#4 <u>2.8</u>	#5 <u>2.6</u>	#6 <u>2.7</u>
#7 <u>3.3</u>	#8 <u>2.8</u>	#9 <u>3.0</u>	#10 <u>3.4</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>12 V</u>	Amps <u>11.5 A</u>	Ohms <u>1.04</u>			

Remarks: Static 600' NE = 0.86. Gnd Bed DAMP @ 70-92, 115-122. DRILLED
to 190' waited 15 min. Gnd Bed was MAKING water @ 162 to 182. Gnd bed did not
MAKE enough water to catch a sample. Gnd Bed MAKING 2 Gals Per Min.
Perforated 310' of 1" PVC vent Pipe, installed 380' of 1" PVC vent Pipe

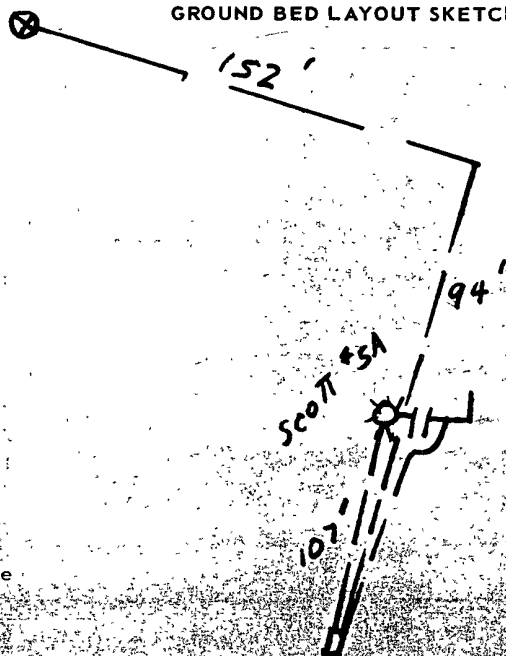
40V 16A Rectifier
Stub Pole

Ditch 1/2 cable = 353'
EXTRA WIRE = 214'
Hole Depth = -93

All Construction Completed

N.F.L. + J.C. Smith
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

1259W

LEASE

WELL NO.

1259W

CONTRACTOR

OBrian

RIG NO.

1

REPORT NO.

8

DATE

May 12

19

78

MORNING

DAYLIGHT

EVENING

Driller					Driller					Driller				
Total Men In Crew					Total Men In Crew					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.		NO. DC	SIZE	LENG.	SERIAL NO.		NO. DC	SIZE	LENG.	SERIAL NO.		NO. DC	SIZE	LENG.
SIZE		STANDS			SIZE		STANDS			SIZE		STANDS		
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	
07	17	Sand	Loose	115	122	Sand	damp	331	345	Sand	Stone
17	20	Shale	dry	122	162	Shale		345	400	Sandy	Shale
20	22	Sand	damp	162	182	Sand	Water: 2 gal	400	410	Sand	stone
22	24	Shale		182	205	Shale					
24	26	Sand		205	225	Sandstone					
26	115	Shale		225	331	Shale	Sandy				

REMARKS -

REMARKS -

REMARKS -

Drilled 6 3/4 To 410
 Logged To 407

Est. water @ 2 gpm.

SIGNED: Toolpusher

L. O. Brian

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

380 3.83
70 1.5
310 4.09

SCOTT #5-A SE 34-32-10 1259W 57116-21

Static 600' NE = 0.86

40V 16A Rect.
Stub PoleDamp @ 70 = 9.2 5/115-122
MAKING WATER 162-182
Drilled to 190 waited 15' made water
Perforated 310' 0.5" PVC vent pipe
Installed 380' 0.5" PVC vent pipe
Gud Bed did not make enough water
to catch a sample

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

190	1.5	60	1.8
	1.5		1.8 - ②
200	1.5	70	1.9
	1.2		2.0 - ①
10	.9	80	1.8
	.9		1.7
20	1.5	90	1.7
	1.7		1.7
30	2.0	400	1.7
	1.8	407	#B
40	1.8	410	DRILLED
	1.8		
50	1.9		
	2.2		
60	2.1 ⑩		

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

70	1.7	①	375	1.8	3.1	3.0
	1.8	②	365	1.5	1.9	2.2
	1.8	③	355	1.6	2.3	2.4
80	1.9 ⑨	④	345	1.8	1.8	2.8
	1.9	⑤	320	1.5	1.6	2.6
90	1.9 ②	⑥	310	1.7	1.7	2.7
	1.8	⑦	300	1.9	2.0	3.3
300	1.8 ⑦	⑧	290	1.8	1.8	2.8
	2.1	⑨	280	1.9	1.9	3.0
10	1.9 ⑥	⑩	260	2.0	2.2	3.4
	1.8					
20	1.9 ⑤					
	1.8					
30	1.7					
	1.6					
40	1.8					
	1.9 - ④					
50	1.8					
	1.7 - ③					

12V 11.5 A = 1.04 A