

30-045-60706

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 13 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced TURNER FEDERAL #2

cps 258w

Elevation 6519' Completion Date 6/11/75 Total Depth 540' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 4800 lbs.

Depths anodes placed: 428', 422', 416', 410', 390', 365'

Depths vent pipes placed: N/A

Vent pipe perforations: 230'

Remarks: gb #2 HOLE CAVED TO 440'.

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

Loggand
Completion Date 6-11-75

Drilling Log (Attach Hereto). ☐

Well Name TURNER #2		Location NE 13-30-10		CPS No. 258 W	
Type & Size Bit Used 6 3/4				Work Order No. 90048.19-50-20	
Anode Hole Depth 540	Total Drilling Rig Time	Total Lbs. Coke Used 4800	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 428	# 2 422	# 3 416	# 4 410	# 5 390	# 6 365
# 7	# 8	# 9	# 10		
Anode Output (Amps)					
# 1 2.7	# 2 3.0	# 3 3.4	# 4 3.4	# 5 2.0	# 6 2.0
# 7	# 8	# 9	# 10		
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 13.2	Amps 8.6	Ohms 1.53		2726	

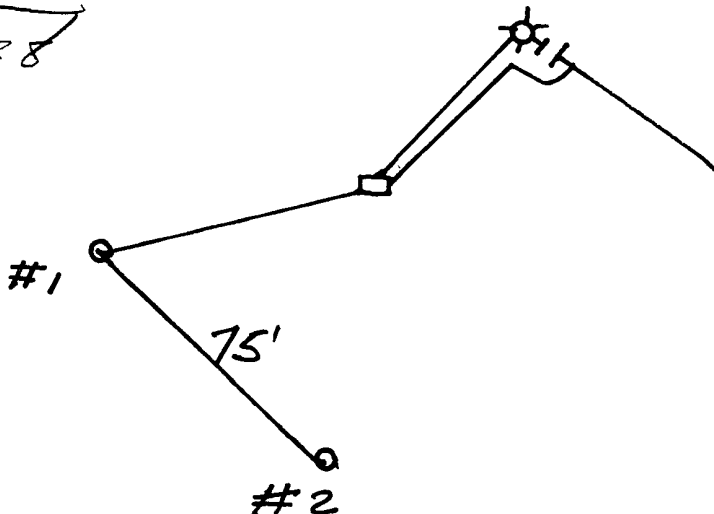
Remarks: Drilled 540'. Moved Rig. - Next A.M. Hole Caved to 440' - Unable to Get Water to SURFACE while Coking. No. 1 Anode Slow to Respond to Coke add 6th Anode
Vent Perforated 230'
Slurry 48 Coke - Two loads water

All Construction Completed

Arrels
(Signature)

Coke - 336.00
Wire - 253.52
Anodes - 158.75
T.B. - 83.00
Misc - 50.00
881.28

GROUND BED LAYOUT SKETCH



6-9 to 6-10-75

DAILY DRILLING REPORT

LEASE WELL NO. 258-W CONTRACTOR RIG NO. 3991 REPORT NO. 19 DATE

MORNING				DAYLIGHT				EVENING									
Total Men In Crew				Total Men In Crew				Total Men In Crew									
Driller	FROM	TO	FORMATION	WT.-BIT	R.P.M.	Driller	FROM	TO	FORMATION	WT.-BIT	R.P.M.	Driller	FROM	TO	FORMATION	WT.-BIT	R.P.M.
	0.0	4.0	Sand				167.0	210.0	Sandstone dump at 180-200.0				244.0	280.0	Sandstone		
	4.0	79.0	Sandstone fair				210.0	220.0	Shale gray				280.0	282.0	Shale gray		
	79.0	87.0	Shale gray				220.0	242.0	Sandstone				282.0	291.0	Sandstone		
	87.0	166.0	Sandstone				242.0	244.0	Shale gray				291.0	293.0	Shale gray		
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 RECORD						MUD RECORD					
Time	WT.	Vis.	MUD, ADDITIVES USED AND RECEIVED			Time	WT.	Vis.	MUD, ADDITIVES USED AND RECEIVED			Time	WT.	Vis.	MUD, ADDITIVES USED AND RECEIVED		
243.0	315.0		Sandstone			322.0	400.0		Sandstone gray			416.0	421.0		Sandstone		
315.0	317.0		Shale gray						6-10-75			421.0	435.0		Shale brown		
317.0	320.0		Sandstone gray			400.0	414.0		Sandstone white at 340.0			435.0	438.0		Sandstone		
320.0	322.0		Shale gray			414.0	416.0		Shale			438.0	440.0		Shale brown		
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN					
440.0	447.0	Sandstone			446.0	448.0	Shale gray										
447.0	449.0	Shale gray			448.0	448.0	Sandstone										
449.0	455.0	Sandstone			448.0	501.0	Shale gray										
455.0	465.0	Shale brown			501.0	540.0	Sandstone										
465.0	466.0	Sandstone			540.0	-	T.D.										
REMARKS - New 16 3/4 Rock b.t.						REMARKS -						REMARKS -					

SIGNED: Toolpusher

Jimmy Jones

Company Supervisor

Frank J. Gray

258 W X = 4.7

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.62
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	NC ₆ 15.57
142	IC ₇ 17.46
156	NC ₇ 19.38
170	IC ₈ 21.44
184	NC ₈ 23.67

Water Level at 360
in 30 Min.

Vent Perf 230'
48 Cope

MW	MISC	gas/mol
44	CO ₂	6.38
58	IC ₄	9.77
72	NC ₄	4.16
86	IC ₅	3.38

350					
60	.8				
	1.0				
70	.8				
	.8				
80	.8				
	.8				
90	1.0				
	.8				
400	.7				
	.7				
10	1.3				
	1.8				
20	1.9				
	2.0				
30	2.0				
	2.2				
40	2.4				
	2.1				
50	1.7				
	1.2				
60	.4				
	.5				
70	1.0				
	1.5				
80	1.4				
	1.0				
90	1.0				
	1.0				
500	1.1				
	1.2				
10	1.3				
519	1.3				
20	1.8				

1	428	2.0	2.7
2	422	1.8	3.0
3	416	1.8	3.4
4	410	1.3	3.4
5	390	1.0	2.0
6	365	1.2	2.0

2431

180

2611

230

153

86 / 13.2 V
86
260
250
500

8.6 A = 1.53 Ω