

3- 30-045-23514

8- 30-045-20117

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. 9 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced DAY #0, DAY #8

cps 71w

Elevation 6442' Completion Date 11/5/75 Total Depth 700' 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. 480'

Depths gas encountered: N/A

Type & amount of coke breeze used: 7300 lbs.

Depths anodes placed: 605', 595', 535', 495', 488', 480'

Depths vent pipes placed: N/A

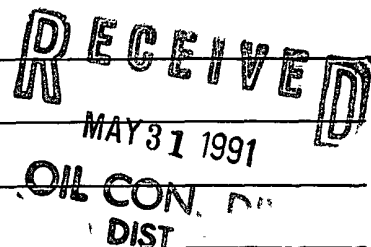
Vent pipe perforations: 500'

Remarks: gb #3- #2 ANODE DID NOT RESPOND TO COKE. BELIEVE BRIDGE BETWEEN #2 & #3

ANODE.

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

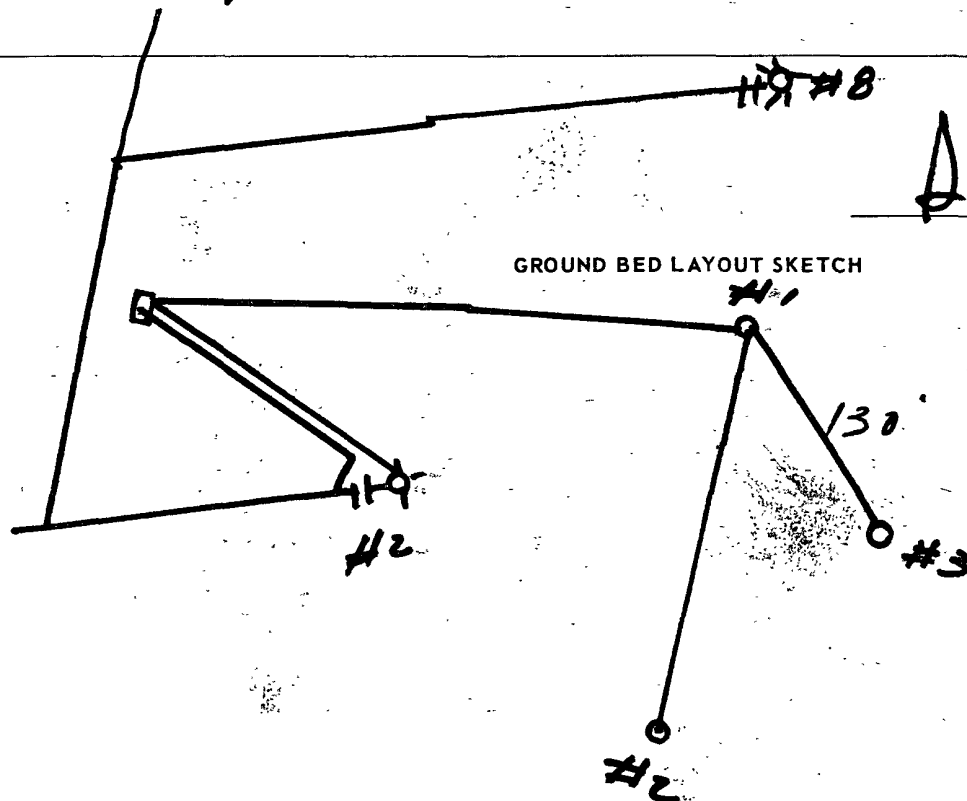
[Signature]

Drilling Log (Attach Hereto). ☐

Completion Date 11-5-75

Well Name B.D. DAY # 2 & # 8				Location SW 9-29-8				CPS No. 71W			
Type & Size Bit Used 6 3/4								Work Order No. 52053 & 55687			
Anode Hole Depth 700		Total Drilling Rig Time		Total Lbs. Coke Used 7300		Lost Circulation Mat'l Used		No. Sacks Mud Used 11			
Anode Depth	# 1 605	# 2 595	# 3 535	# 4 495	# 5 488	# 6 480	# 7	# 8	# 9	# 10	
Anode Output (Amps)	# 1 1.7	# 2 1.0	# 3 1.0	# 4 1.6	# 5 3.2	# 6 3.6	# 7	# 8	# 9	# 10	
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18 28	# 19	# 20	
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20	
Total Circuit Resistance	Volts 11.3		Amps 6.3		Ohms 1.8		No. 8 C.P. Cable Used 3538'		No. 2 C.P. Cable Used 0		

Remarks: Drill 500' With air - Down 2 Hours to Get More Drill Pipe - Blew
Water out of Hole at 480' - Starting - Drilled to 620 - Change to
Mud, Drilled to 700' - Hung in Hole 600 to 620. Log to 615'
Vent Perforated 500' - #2 Anode Did Not Respond to Coke
Believe Bridge Between 2 & 3 Anode - Slurry 73 Coke



All Construction Completed

[Signature]
(Signature)

11-10-75 11-6-75

LEASE					WELL NO. 71-W CONTRACTOR					RIG NO.					REPORT NO.					DATE					19				
MORNING										DAYLIGHT										EVENING									
Driller					Total Men In Crew					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.															
0.0	2'	Sand			250'	263'	Shale			473'	475'	Shale																	
2	190'	Sandstone			263'	440'	Sandstone			475'	540'	Sandstone																	
190'	194'	Shale			440'	445'	Shale			540'	550'	Shale																	
194'	250'	Sandstone			445'	473'	Sandstone			550'	620'	Sandstone																	
BIT NO.					BIT NO.					BIT NO.																			
SERIAL NO.					SERIAL NO.					SERIAL NO.																			
SIZE					SIZE					SIZE																			
TYPE					TYPE					TYPE																			
MAKE					MAKE					MAKE																			
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														
620'																													
628'																													
700'																													
TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN																			
FROM	TO				FROM	TO				FROM	TO																		
620'	678'	Shale																											
628'	700'	Sandstone																											
700'	-	70																											
REMARKS -					REMARKS -					REMARKS -																			
					Drill with Air 0.0 to 620'																								
					WATER DRILL 620 to 700'																								
					11 bags Quick-Jel mud																								

SIGNED: Toolpusher

Jimmy Jones

Company Supervisor

71W

Drilled to 500 with air
Went after More Drill Pipe
Down 2 Hours -
Blew wtr. out at 480
Drilled to 520
water Next AM at 420

11-5-75

Driller Said water at
420

Drill to 620 -
Bit Plugged - Pulled
out to UN Plug
log - 8 Dig Pits
Switch to Mud

Drill to 660

11-6-75

water at 440

T.O. - Drilled to 700

Hung in Hole 600 to 620
2 Hrs - Getting out

Vent Perf. 500
23 COK

605	8	1.7
595	10	1.0
535	6	1.0
495	6	1.6
488	8	3.2
480	7	3.6

4	3198	1.8
9	3198	1.8
10	3198	1.8

11.30 6.3A = 1.8

500
1.4

450	1.3	420	4		
	4		5		
60	4	36	4		
	5		3		
70	1	46	2	.1	
	6		2	.1	
80	6	36	2	2	
	6		2	2	
90	1.4	66	2	2	
T.D. 492	1.4		3	3	
500		70	3	3	
			2		
10		86	4	.7	
			4	.7	
20		90	.5	.7	
			.6	.6	
		500	.6	.2	605 .8
			.2	.2	10 .6
		10	2	.3	6.5 T.O.
			.3	.3	20
		20	.4	.3	30
			.4	.3	30
		30	.4	.3	40
			.5	.5	40
		40	.5	.5	50
			.5	.5	50
		50	.5	.5	60
			.6	.5	60
		66	.6	.5	70
			.5	.3	70
		70	.2		80
			.3		80
		80	.3		90
			.5		90
		T.D. 90	.4		70
			.9		
		600	.9		

Log 11-4-74

MW	gas/mol
16	C ₁ 8.4
44	C ₂ 10.12
58	C ₃ 10.42
72	IC ₄ 12.38
86	IC ₅ 11.93
100	IC ₆ 13.25
114	IC ₇ 13.71
128	IC ₈ 15.30
142	IC ₉ 15.57
156	IC ₁₀ 17.2
170	C ₁ 17.46
184	C ₂ 19.77
198	C ₃ 9.64
212	C ₄ 9.67

MW	gas/mol
16	C ₁ 8.4
44	C ₂ 10.12
58	C ₃ 10.42
72	IC ₄ 12.38
86	IC ₅ 11.93
100	IC ₆ 13.25
114	IC ₇ 13.71
128	IC ₈ 15.30
142	IC ₉ 15.57
156	IC ₁₀ 17.2
170	C ₁ 17.46
184	C ₂ 19.77
198	C ₃ 9.64
212	C ₄ 9.67