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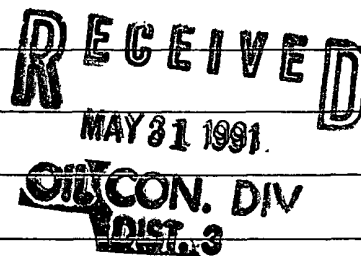
30-045-21650

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. 33 Twp 26 Rng 10Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #273

cps 1047w

Elevation 6642' Completion Date 9/18/75 Total Depth 440' Land Type* N/ACasing, Sizes, Types & Depths 10' OF PLASTIC CASINGIf 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. 190'-205'Depths gas encountered: N/AType & amount of coke breeze used: 4500 lbs.Depths anodes placed: 385', 375', 365', 345', 335', 310', 285', 250', 240', 230'Depths vent pipes placed: N/AVent pipe perforations: 200'Remarks: qb #1

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

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Drilling Log (Attach Hereto). ☐

Completion Date **9-18-75**

Well Name HUERFANO No. 273			Location SW 33-26-10			CPS No. 1047W		
Type & Size Bit Used 6 3/4			Total Drilling Rig Time			Work Order No. 5586#9		
Anode Hole Depth 440		Total Lbs. Coke Used 4500		Lost Circulation Mat'l Used		No. Sacks Mud Used		
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8
	385	375	365	345	335	310	285	250
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8
	4.6	5.2	4.6	3.8	4.1	4.5	5.0	4.4
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18
Total Circuit Resistance	Volts 12.5		Amps 20.5		Ohms 0.61		No. 8 C.P. Cable Used 3420	
							No. 2 C.P. Cable Used	

Remarks: **Start water injection at 205 - Drilled to 440 - Fill with water to 200 & Log to 408' Set 10' Plastic Casing 8" Vent Perforated 200' Slurry 45 Coke**

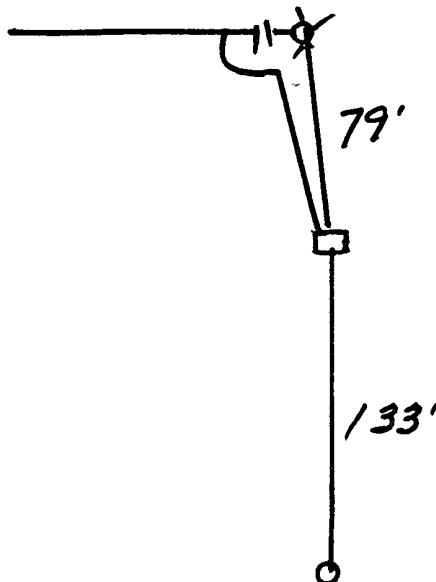
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All Construction Completed

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(Signature)

GROUND BED LAYOUT SKETCH



66421

w.o. 55864

1047W - Huerfano #273 - SW 33-26-10

MW	gas/mol
16	C ₁ 5.4
30	C ₂ 10.12
44	C ₃ 10.42
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	C ₆ 15.57
142	IC ₇ 17.2
156	C ₇ 17.46
170	C ₈ 19.39
184	C ₉ 19.64
198	C ₁₀ 19.67

MW	MSC	gas/mol
44	CO ₂	5.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

200	.6	380	2.2	Start wtr inj at 200 Drilled to 440 Fill with wtr to 200 T.D. 408' Set 10' Surface Plastic 8"
	.6		2.1	
10	.8	90	2.2	
	.8		2.1	
20	.8	400	2.1	
	.6	08 TD		
30	1.8	10		
	2.2			
40	2.1	20		45 coke
	2.1			
50	1.9			
	1.6			
60	1.4			
	1.2			
70	1.1			
	1.0			
80	1.9			
	2.0			
90	1.4			
	1.4			
300	1.2			
	1.6			
10	1.8			
	1.6			
20	1.2			
	1.0			
30	1.6			
	1.7			
40	2.0			
	1.9			
50	1.2			
	1.2			
60	1.6			
	2.0			
70	2.0			
	2.2			

1	385	24	4.6
2	375	26	5.2
3	365	24	4.6
4	345	20	3.8
5	335	22	4.1
6	310	20	4.5
7	285	25	5.0
8	250	23	4.4
9	240	25	4.8
10	230	23	4.3

$$12.5 V \quad 20.5 A = 0.61$$

9-10-75

DAILY DRILLING REPORT

LEASE					WELL NO. 1047-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	1'	SAUD			293'	303'	SHALE			385'	387'	SHALE																			
1'	240'	SANDSTONE			303'	353'	SANDSTONE			387'	390'	SANDSTONE																			
240'	250'	SHALE			353'	356'	SHALE			390'	403'	SHALE																			
250'	293'	SANDSTONE			356'	385'	SANDSTONE			403'	409'	SANDSTONE																			
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, ADDITIVES USED AND RECEIVED																											
Time	Wt.	Vis.																													
FROM	TO	TIME BREAKDOWN																													
409'	412'	SHALE																													
412'	417'	SANDSTONE																													
417'	420'	SHALE																													
420'	423'	SANDSTONE																													
423'	425'	T.D.																													
REMARKS -																															
DAMP @ 160-175																															
184-190																															
WET 190-205																															
Inj @ 205-420																															

SIGNED: Toolpusher

Jimmy Jones

____ Company Supervisor