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30-045-23885

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 12 Twp 25 Rng 9Name of Well/Wells or Pipeline Serviced NAGEEZI #5

cps 1768w

Elevation 6510' Completion Date 11/1/84 Total Depth 400' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. 180' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4000 lbs.Depths anodes placed: 380', 370', 360', 335', 312', 300', 290', 270', 245', 230'Depths vent pipes placed: 400'Vent pipe perforations: 240'Remarks: gb #1**RECEIVED**

MAY 31 1991

OIL CON. DI.
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 11-1-84

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins	Union Check
1768-W	Nageezi #5	57797-21-50-20	-80	☒ Good	☐ Bad
43mpt					
Location	Anode Size	Anode Type	Size Bit		
NW12-25-9	2" X 60"	Duriron	6 3/4"		
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs Coke Used	Lost Circulation Mat'l Used	No Sacks Mud Used
400	396		4,000		
Anode Depth					
# 1 380	# 2 370	# 3 360	# 4 335	# 5 312	# 6 300
# 7 290	# 8 270	# 9 245	# 10 230		
Anode Output (Amps)					
# 1 3.55	# 2 4.08	# 3 3.51	# 4 3.16	# 5 4.12	# 6 4.01
# 7 3.77	# 8 3.65	# 9 3.35	# 10 3.87		
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 11.9			Amps 17.1		Ohms .69

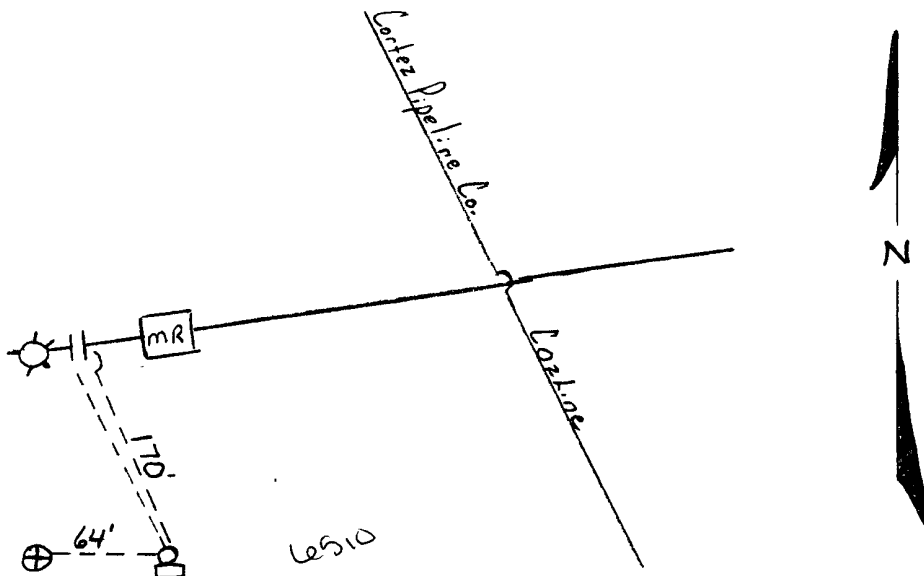
Remarks: Drilled to 180' found water. Blew water from hole next morning, caught water sample. Found Better producing water zone at 190'. Found sandy shale to bottom of hole, making approx. 20 to 30 gpm water. Installed 400' of 1" PVC with 160' solid, 240' perforated. Slurried approx. 4,000 lbs Coke Down hole

Rectifier Size: 40 V 16 A ☒ Overtime / Reg. time
 Addn'l Depth: _____
 Depth Credit: 104' ☒
 Extra Cable: 190' ☒
 Ditch & 1 Cable: 234' ☒
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: 1 ☒

All Construction Completed

C.W. Donohue
(Signature)

GROUND BED LAYOUT SKETCH



Scale : epm

CPS #: 1768-W WELL NAME: Nageezi #5

LOCATION: MW 12-25-9 DATE: 11-1-84

TOTAL VOLTS:

TOTAL AMPS:

OHMS RESISTANCE:

Logged Thru 2,300' Spool

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	.79		365	2.10		545			1	380	2.67	3.55
10			190	.85		370	2.05	2	550			2	370	2.82	4.08
15			195	.85		375	2.01	1	555			3	360	2.40	3.51
20			200	.89		380	1.89	1	560			4	335	2.30	3.16
25			205	.90		385	1.82		565			5	312	2.82	4.12
30			210	.96		390	1.79		570			6	300	2.63	4.01
35			215	.90		395	1.79		575			7	290	2.56	3.77
40			220	.95		400			580			8	270	2.44	3.65
45			225	1.84		405			585			9	245	2.64	3.35
50			230	2.14	10	410			590			10	230	2.62	3.27
55			235	2.24		415			595						
60			240	2.19		420			600						
65			245	2.12	9	425			605						
70			250	1.89		430			610						
75			255	1.86		435			615						
80			260	1.55		440			620						
85			265	1.41		445			625						
90			270	1.95	8	450			630						
95			275	1.92		455			635						
100			280	1.95	Extra	460			640						
105			285	2.05		465			645						
110			290	2.05	7	470			650						
115			295	2.09		475			655						
120			300	2.13	6	480			660						
125			305	2.25		485			665						
130			310	2.22	5	490			670						
135			315	1.86		495			675						
140			320	.82		500			680						
145			325	.67		505			685						
150	1.13		330	1.03		510			690						
155	.92		335	1.84	14	515			695						
160	.81		340	1.48		520			700						
165	.95		345	.79		525			705						
170	.94		350	1.66		530			710						
175	.90		355	1.97	3	535			715						
180	.83		360	2.13	3	540			720						

water zone

REMARKS: Drilled to 180' found water. Blew water from hole next morning, caught water sample. Found better water zone at 190'. Sand sandy shale to bottom hole making approx 20 to 30 gpm. Installed top of 1" PVC vent P.P.E., 200' protected. Slurried approx 4,000 lbs Coke down hole.

DAILY DRILLING REPORT

LEASE <u>NADDER 21</u> WELL NO. <u>5</u> CONTRACTOR <u>CORROSION CONTROL CO.</u> DATE <u>10-1-83</u>										MORNING					DAYLIGHT					EVENING				
Driller: <u>TERRELL LARSEN</u> Total Man In Crew: <u>3</u>										Driller: _____ Total Man In Crew: _____					Driller: _____ Total Man 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.	FROM	TO	FORMATION	WT. BIT	R.P.M.					
0	40	SANDSTONE								120	160	SANDY SHALE												
40	80	SANDY SHALE WITH								160	200	SAND												
80	100	SANDY SHALE								200	320	SANDY SHALE												
100	120	SAND								320	400	SANDY SANDY SHALE												
			NO. DC	SIZE	LENG.			NO. DC	SIZE	LENG.			NO. DC	SIZE	LENG.			NO. DC	SIZE	LENG.				
BIT NO.			NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.				
SE NO.			STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS						
SIZE			SINGLES			SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES						
TYPE			DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY						
MAKE			TOTAL DEPTH			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			MUD RECORD		MUD. ADDITIVES USED AND RECEIVED						
Time	WT.	VIS.				Time	WT.	VIS.			Time	WT.	VIS.			Time	WT.	VIS.						
FROM	TO		TIME BREAKDOWN			FROM	TO		TIME BREAKDOWN		FROM	TO		TIME BREAKDOWN		FROM	TO		TIME BREAKDOWN					
REMARKS: <u>DRILLED TO 100 FEET ON 10-31-84 LET SIT OVER NIGHT NEXT MORNING BLEW WATER OUT OF HOLE DRILLED INTO MORE WATER AROUND 100 FEET MAKING 20.30 GALLONS PER MINUTE</u>										REMARKS: _____					REMARKS: _____									