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30-039-22380

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. 35 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #70A

cps 1619w

Elevation 6671' Completion Date 8/4/81 Total Depth 485' 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. 145'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6000 lbs.

Depths anodes placed: 465', 435', 420', 405', 390', 380', 365', 275', 265', 255'

Depths vent pipes placed: 365'

Vent pipe perforations: 365'

Remarks: gb #1

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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 8-04-81

Well Name <u>ST 29-7 #70A</u>		Location <u>NW 35-29-7</u>		CPS No. <u>1619-W</u>	
Type & Size Bit Used <u>6 3/4"</u>		Anodes <u>2" X 60" Duriron</u>		Work Order No. <u>57952-21-50-20</u>	
Anode Hole Depth <u>485 Logged 485</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>Approx 6,000</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>465</u>	# 2 <u>435</u>	# 3 <u>420</u>	# 4 <u>405</u>	# 5 <u>390</u>	# 6 <u>380</u>
# 7 <u>365</u>	# 8 <u>275</u>	# 9 <u>265</u>	# 10 <u>255</u>		
Anode Output (Amps)					
# 1 <u>2.63</u>	# 2 <u>2.46</u>	# 3 <u>2.06</u>	# 4 <u>2.77</u>	# 5 <u>3.33</u>	# 6 <u>2.99</u>
# 7 <u>2.82</u>	# 8 <u>2.59</u>	# 9 <u>2.56</u>	# 10 <u>2.32</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					
Volts <u>12.2</u>	Amps <u>13.6</u>	Ohms <u>.89</u>			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: Static = .78 600'sw F.L. not Tied in yet for union ck
Driller said water @ 145'. Drilled 485 Logged 485
Installed 365' 1" vent Pipe that was Perforated
Slurried Approx. 6,000 lbs Coke down hole.

Hole Depth = -15'
 extra cable = none
 Ditch + cable = none
 STub Pole
 40-16

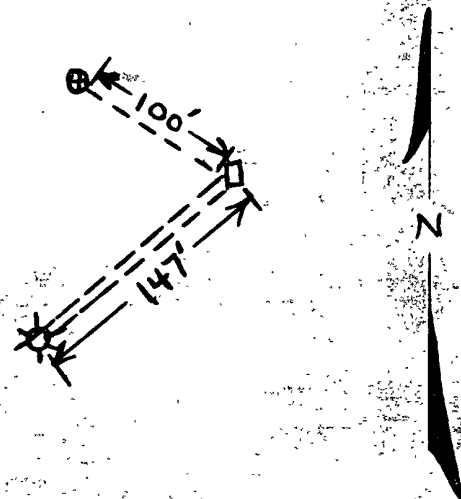
All Construction Completed

C.W. Donohue
 (Signature)

GROUND BED LAYOUT SKETCH

E.P.N.G. will Plow all
 Cables

Req Time	O.T.
8	1



DISTRIBUTION:

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

well

SJ 29-7 #70A

NW 35-29-7

1619-W

Work order # 57952-21-50-20

Static @ 600' W = .78

Driller sand/water @ 145
Per 365' 3/4" PVC vent
Drilled to 485

MW	gals/mol
16 04	C1 6.4
30 07	C2 10.12
44 10	C3 10.42
58 12	iC4 12.38
58 12	nC4 11.93
72 15	iC5 13.85
72 15	nC5 13.71
86 18	iC6 15.50
86 18	C6 15.57
100.21	iC7 17.2
100.21	C7 17.46
114 23	C8 19.39
28 05	C2 9.64
42 08	C3 9.67

STub
Pole
40-16 sec

MW	MISC	gals/mol
32 00	O2	3.37
28 01	CO	4.19
44 01	CO2	6.38
64 06	SO2	5.50
34 08	H2S	5.17
28 01	N2	4.16
2 02	H2	3.38

100	200	100	200	300	300	400	400	500	500
	1.65			.36		1.16	④		
10	10	1.66	10	.43	10	.88	10		
	1.24			.50		.92			
20	20	1.02	20	.50	20	1.08	③	20	
	1.10			.46		.90			
30	30	1.01	30	.51	30	.89	30		
	.65			.57		1.12	⑥		
40	40	.57	40	.62	40	.99	40		
.67	.62			.64		.80			
50	.87	50	.63	50	.65	50	.79	50	
1.34	1.10	⑩		.80		.80			
60	1.41	60	1.21	60	1.13	60	.88	60	
1.15	1.08	⑨		1.18	⑦	1.22	⑤		
70	1.08	70	1.02	70	1.30	70	1.27	70	
1.26	1.11	⑧		1.09		1.41			484
80	1.39	80	.97	80	1.21	80		80	
1.40	.54			1.13					
90	1.16	90	.34	90	1.32	90		90	
1.15	.37			1.40					

volts = 12.2

amps = 13.6

ohms = .89

adj.

adj.

adj.

①	465	1.83	2.63
②	435	1.52	2.46
③	420	1.45	2.06
④	405	1.58	2.77
⑤	390	1.84	3.33
⑥	380	1.84	2.99
⑦	365	1.88	2.82
⑧	275	1.87	2.59
⑨	265	1.55	2.56
⑩	255	1.37	2.32

OPS 1619 W 55-7 70H #

DAILY DRILLING REPORT

LEASE CONTRACTOR Shay Drilling RIG NO. 1 DATE 8-4-81 19

MORNING DAYLIGHT EVENING

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	10	8 1/2 w/5h			230	250	SS																	
10	145	55 w/5h			250	350	55 w/5h																	
145	180	55			350	405	SS																	
180	230	5h			405	485	5h																	
NO. DC				SIZE	LENG.	NO. DC				SIZE	LENG.	NO. DC				SIZE	LENG.							
S				IL NO.	STANDS	S				IL NO.	STANDS	S				IL 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	FROM				TO	FROM				TO	FROM				TO	FROM				TO
TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				
REMARKS -				REMARKS -				REMARKS -				REMARKS -				REMARKS -				REMARKS -				

Platnet 145

logged 484

710 485

SIGNED: Toolpusher

Shay

Company Supervisor

Bull Donohue