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30-30-039-07339

148-30-039-20307

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. 28 Twp 28 Rng 6Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #30, #148cps 1170wElevation 6455' Completion Date 7/28/77 Total Depth 420' 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/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 170' & 220'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 390', 380', 370', 360', 350', 340', 330', 320', 310', 300'Depths vent pipes placed: 395'Vent pipe perforations: 220'Remarks: gb #1**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

Drilling Log (Attach Hereto). ☐

Completion Date 7-28-77

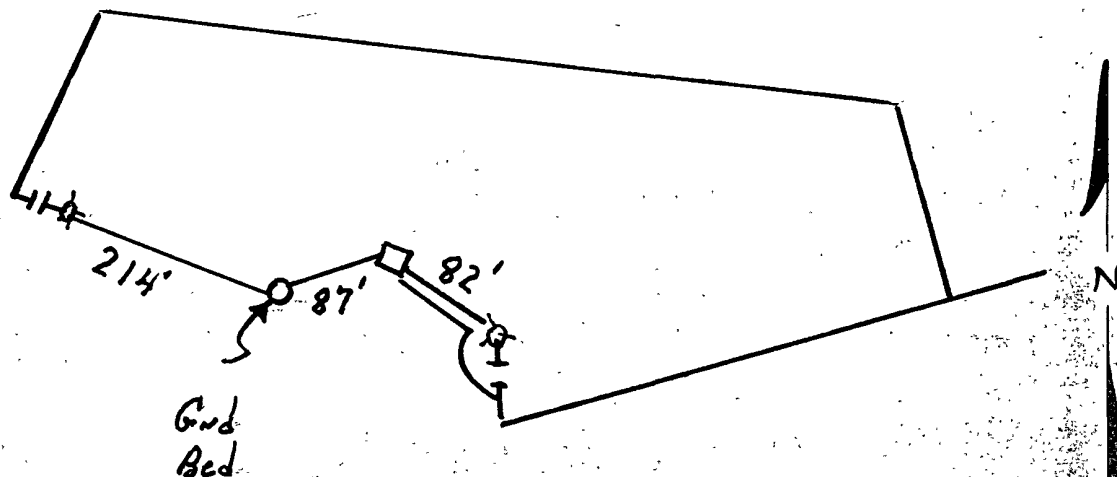
Well Name SAN JUAN 28-6 Unit #30		Location NE 28-28-6		CPS No. 1170 W	
Type & Size Bit Used 6 3/4"				Work Order No. #30 = 52746.19 #148 = 54768.19	
Anode Hole Depth 420 - 407	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 390	#2 380	#3 370	#4 360	#5 350	#6 340
#7 330	#8 320	#9 310	#10 300		
Anode Output (Amps)					
#1 2.1	#2 2.9	#3 3.0	#4 2.8	#5 3.2	#6 3.1
#7 3.1	#8 3.2	#9 3.0	#10 3.3		
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 11.2	Amps 13.7	Ohms 0.82			

Remarks: Static #30 600' North = 0.77, Static #148 600' North = 0.78.
Driller said MAKING WATER @ 170'. DRILLED TO 220'. Next A.M.
Water Standing @ 170'. MAKING MORE WATER @ 220'. PERFORATED
220' of 1" PVC Vent Pipe. Installed 395' of 1" PVC Vent Pipe
#30 MARKED 1 notch. #148 MARKED 3 notches. Slurried SACKS OF CON
Installed 60V 30 A Rectifier & stub Pole.

All Construction Completed

W. L. Lutto
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
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El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

SAN JUAN 28-6 UNIT #30
SAN JUAN 28-6 UNIT #148

NE 28-28-6

1170W

52746.19

54768.19

350
150
220

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

Static #30 600' N=0.77				Driller said water @ 170' Drilled to 220' next AM water standing @ 170'. More water @ 220' Perforated 220' of vent pipe installed 395' of vent pipe		
Static #148 600' N=0.78						
60V 30.4 Resistance						
Static Pole						
170	-70	1.5	③		Slurried	SACKS OF COKE
		1.4				
80	-80	1.6	②			
		1.4				
90	90	1.3	①			
		1.6				
200.7	400					
.5	40 407 + 5					
10.5	10					
.5						
20.5	20					
.5						
30.5						
.6						
40.5						
.6						
50.5				① 390	1.8	2.1
.5				② 380	2.0	2.9
60.4				③ 370	1.9	3.0
.4				④ 360	1.6	2.8
				⑤ 350	1.6	3.2
70.5				⑥ 340	1.8	3.1
.5				⑦ 330	1.8	3.1
80.6				⑧ 320	1.9	3.2
.7				⑨ 310	1.8	3.0
90.1.1				⑩ 300	1.9	3.3
1.7						
300.1.8 ⑩						
1.4						
10.1.4 ⑨				11.2 volts	13.7 Amps	082 ohms
1.5						
20.1.5 ⑧						
1.6						
30.1.4 ⑦						
1.7						
40.1.6 ⑥						
1.3						
50.1.4 ⑤						
1.5						
60.1.4 ④						
1.3						

DAILY DRILLING REPORT

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE					
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.						
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			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED					
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.						
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN								
0	6	Surface			85	160	shale			215	270	Sand shale								
6	35	Soft sand stone			160	170	sand wet			270	245	Shale								
35	55	Shale			170	175	shale			245	255	sand								
55	60	Sand stone			175	205	Sand wet			255	275	Shale								
60	70	Shale			205	210	Shale			275	300	sand								
70	85	Sand wet			210	215	Sand wet			300	350	Shale								
REMARKS -					REMARKS -					REMARKS - 340-355 Sand										
										355-370 Shale										
										370-380 Sand										
										380-400 Shale										
										400-420 Shale										

SIGNED: Toolpusher

____ Company Supervisor