

#1A 30-045-22860
B#3 30-045-20676

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 1 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SAN JUAN #1A, SUNRAY B #3
cps 1361w

Elevation 6545' Completion Date 8/3/79 Total Depth 495' 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. DAMP AT 75' WATER 130' - 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 460', 450', 440', 430', 370', 345', 335', 325', 315', 305'

Depths vent pipes placed: 500'

Vent pipe perforations: 400'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 2

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

8 Hrs Reg
4 Hrs OTH

CONTACT #2

Drilling Log (Attach Hereto) ☐

2" x 60" DURIRON

Completion Date 8-3-79

Well Name SAN JUAN 1A		Location SE 1-30-10		CPS No. 1361 W	
Type & Size Bit Used 6 3/4"				Work Order No. 57303-21	
Anode Hole Depth 495'	Total Drilling Rig Time	Total Lbs. Cake Used 58 BAGS	Lost Circulation Mat'l Used SUNRAY B3	No. Sacks Mud Used - 54 778-19	
Anode Depth					
# 1 460	# 2 450	# 3 440	# 4 430	# 5 370	# 6 345
# 7 335	# 8 325	# 9 315	# 10 305		
Anode Output (Amps)					
# 1 3.0	# 2 4.1	# 3 4.5	# 4 2.3	# 5 1.8	# 6 2.6
# 7 3.5	# 8 3.8	# 9 3.7	# 10 2.5		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance			No. 8 C.P. Cable Used		
Volts 11.8 Amps 12.3 Ohms .95			No. 2 C.P. Cable Used		

Remarks: DRILLER ADVISED DAMP AT 75' GOOD WATER SAND AT 130 TO 150 DRILLED TO 180 SET OVER NIGHT UNABLE TO Blow Sample. BELIEVE HOLE IS TAKING WATER FASTER THAN IT COMES IN. HAD TO START INJECTING AT 320' DRILLED SAN JUAN 1A NOT TIED IN. TO 500' LOGGED 49' ROW NOT CLEAR FOR SUNRAY B-3 NEGATIVE

All Construction Completed

BT

(Signature)

GROUND-BED LAYOUT SKETCH



SAN JUAN 1A
.93

STUB POLE
40/16 RECT
DITCH + 1 CABLE 335
EXTRA CABLE 185'
HOLE = -5

DISTRIBUTION:

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

SUNRAY B3
.78

C.P. 1361

LEASE		WELL NO.		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	R.P.M.				
BI 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							
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	1	Surface															
1	30	Sand Stone															
30	40	Sand Sand															
40	70	Shale															
70	75	Sand wet															
75	100	Shale															
REMARKS -				REMARKS -				REMARKS -									
100-120 Sand wet				making water 1-2 gal min													
120-125 Shale																	
125-180 Sand + Shale br.																	
180-200 Sandy shale																	
200-280 Sand																	
280-320 Sandy shale																	
320-350 Shale																	
350-500 Sandy shale																	
SIGNED: Toolpusher				Company Supervisor													

Company Supervisor

1361 W
SAN JUAN 1A
SUNRAY B3 SE 1 30-1057303-21
54778-19

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

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

Driller advised lamp at 75'. Good water sand at 130' to 150' drilled to 180' at overnight enable to blow sample. Believe hole is taking water faster than it comes in. Had to start injecting at 320' drilled to 500' logged 495'

500' 1" PVC Vent pipe 400' prepared.

$$11.8 \text{ V } 12.3 \text{ A} = .95 \text{ r}$$

150	.8	80	.4	5	.7		
55	10	85	.5	10	.8		
60	1.0	90	.6	15	1.3		
65	.4	95	.6	20	.8		
70	.3	300	.8	25	.6		
75	.2	5	1.2	30	1.0		④
80	.2	10	1.8	35	1.8		
85	.3	15	2.0	40	2.0		③
90	.5	20	2.0	45	1.9		
95	1.1	25	2.0	50	1.9		②
200	1.4	30	2.0	55	1.6		
5	1.4	35	2.0	60	1.5		①
10	1.1	40	1.7	65	1.2		
15	.8	45	1.6	70	.9		
20	.6	50	1.4	75	.7		
25	.5	55	1.6	80	.4		
30	.5	60	1.4	85	1.3		
35	.5	65	1.3	90	2.0		
40	.5	70	1.4	95			
45	.5	75	1.2	500			
50	.5	80	1.0				
55	.6	85	.7	1 =	460	1.7	3.0
60	.6	90	.5	2 =	450	2.0	4.1
65	.4	95	.5	3 =	440	2.6	4.5
70	.4	400	.6	4 =	430	1.7	2.3
75	.5			5 =	370	1.3	1.8
				6 =	345	1.9	2.6
				7 =	335	2.4	3.5
				8 =	325	2.8	3.8
				9 =	315	2.8	3.7
				10 =	305	2.0	2.5