

#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.

Completion Date 8-3-79

#3 2" x 60" DUKIRON

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 SUN RAY B-3 NEGATIVE



(Signature)

GROUND BED LAYOUT SKETCH

SAN JUAN 1A
:93

SOUTHERN UNION

STUB POLE
40116 RECT
DITCH + 1 CABLE 335
EXTRA CABLE 185"
HOLE = - 5

DISTRIBUTION

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

ea Corrosion aff
ginator File

SUNRAY B3
.78

C.P. 1361

LEASE _____ WELL NO. _____ CONTRACTOR *Reay* RIG NO. _____ REPORT NO. _____ DATE *8-3* 19 *79*

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. <i>6 3/4</i>		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SE. NO. _____		NO. DC _____ SIZE _____ LENG. _____	SERIAL NO. _____		NO. DC _____ SIZE _____ LENG. _____	SERIAL NO. _____		NO. DC _____ SIZE _____ LENG. _____
SIZE _____		STANDS _____	SIZE _____		STANDS _____	SIZE _____		STANDS _____
TYPE _____		SINGLES _____	TYPE _____		SINGLES _____	TYPE _____		SINGLES _____
MAKE _____		DOWN ON KELLY _____	MAKE _____		DOWN ON KELLY _____	MAKE _____		DOWN ON KELLY _____
TOTAL DEPTH _____		MAKE _____	TOTAL DEPTH _____		MAKE _____	TOTAL DEPTH _____		MAKE _____

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

Reay

Company Supervisor

SAN JUAN 1A 1361 W
SUNRAY B3 SE 1 30-10

57303-21
54778-19

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 ₃ ²⁻	9.64
42.08	C ₃ ³⁻	9.67

Driller advanced pump at 75'. Good water sand at 130' to 150'. Drilled to 180' but overnight unable 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

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

150	8	80	.4	5	.7		
55	10	85	.5	10	.8		
60	10	90	.6	15	1.3		
65	11	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

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