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36-045-24065

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. 1 Twp 30 Rng 11

Name of Well/Wells or Pipeline Serviced SUNRAY C #1A

cps 1650w

Elevation 5952' Completion Date 9/22/81 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths 22' OF 8" CASING

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. WATER SAND 190' - 210'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 375', 360', 345', 325', 315', 300', 285', 265', 250', 235'

Depths vent pipes placed: 400'

Vent pipe perforations: 200'

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 9-22-81

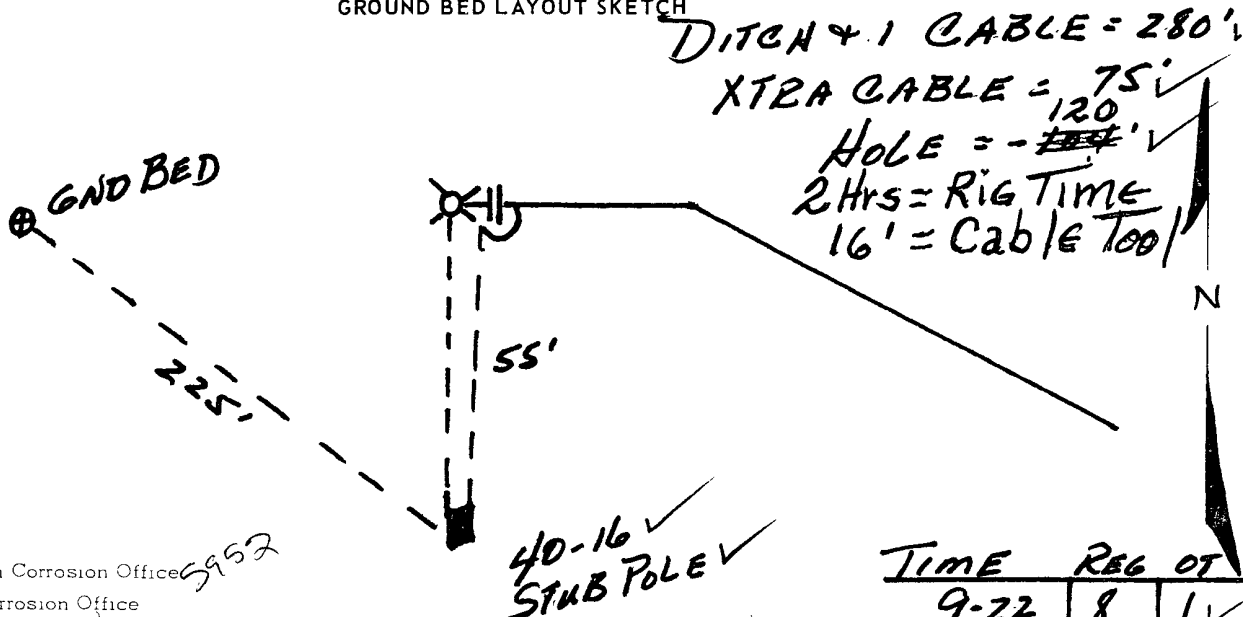
Well Name <u>SUNRAY "C" 1A</u>		Location <u>NW 1-30-11</u>		CPS No. <u>1650W</u>	
Type & Size Bit Used <u>6 3/4" UNION OTC</u>		STATIC = <u>.813</u>		Work Order No. <u>57908-21-50-2</u>	
Anode Hole Depth <u>400' LOG 380'</u>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
1 <u>375</u>	2 <u>360</u>	3 <u>345</u>	4 <u>325</u>	5 <u>315</u>	6 <u>300</u>
7 <u>285</u>	8 <u>265</u>	9 <u>250</u>	10 <u>235</u>		
Anode Output (Amps)					
1 <u>5.13</u>	2 <u>4.78</u>	3 <u>4.35</u>	4 <u>3.80</u>	5 <u>5.46</u>	6 <u>5.52</u>
7 <u>4.00</u>	8 <u>6.75</u>	9 <u>5.60</u>	10 <u>4.80</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	No. 3 C.F. Cable Used		No. 2 C.F. Cable Used		
Volts <u>11.43</u>	Amps <u>24.30</u>	Ohms <u>.47</u>			

Remarks: ROTARY DRILLED 16' HOLE MOVED OFF TOC
MANY ROCKS CABLE TOOLS MOVED ON SET 16' 8" CASING
5.5' 8" CASING LEFT OVER FROM 22' JOINT. ROTARY MOVED ON DRILLED ROCKS, IRON GRAVEL TO 40' HIT SAND STONE. STARTED INJECT TO HOLD GRAVEL FEEL SURE WATER SAND IS FREE 190' TO 210' NO SAMPLE 200' 1" PLAINVENT BALANCE PERFORATED.

All Construction Completed

BT
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office 5952
YELLOW - Area Corrosion Office
PINK - Originator File

TIME REG OT
9-22 8 1V

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Summit G 1A WELL NO. CP5 16-504 CONTRACTOR Henry Drilling RIG NO. Henry Drilling REPORT NO. 101 DATE Oct 20 1981

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.	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. DC	SIZE	LENG.	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			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		
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	100	Sample						
100	200	Sample						
200	300	Sample						
300	400	Sample						
400								

REMARKS -

REMARKS -

REMARKS -

SIGNED: Toolpusher

Company Supervisor

1650W

 SUNRAY "Q" #1A
 NW-1-30-11

57908-21-50-20

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

ROTARY DRILLED 16' HOLE MOVED
 OFF TOO MANY BOULDERS. CABLE TOOLS
 MOVED ON SET 16.5' 8" CASING. 5.5" 8"
 CASING LEFT OVER FROM 22' JOINT.

ROTARY MOVED ON DRILLED ROCKS, IRON,
 GRAVEL TO 40' HIT SAND STONE HAD
 TO INJECT WATER TO HOLD GRAVEL.
 FEEL SURE WATER SAND IS FROM
 190' TO 210' NO SAMPLE.

DRILLED TO 400' LOG TO 396'

200' 1" PLAIN VENT PIPE BALANCE PERFORATED

2	20	3.17	80	3.04	⑨	40	2.55	③	400
	25	3.13	85	2.55		45	2.47		5
	30	2.84	90	1.66		50	2.47		10
	35	2.99	⑩	95	2.06	⑥	55	2.70	②
	40	3.04	300	2.40		60	2.89		20
	45	2.96	5	3.19		65	2.79		25
	50	3.11	⑨	10	3.00	⑤	70	2.92	①
	55	3.23	15	2.97		75	3.09		35
	60	3.41	20	2.46		80	3.10		40
	65	3.69	⑧	25	2.30	④	85	2.99	④
	70	3.59	30	2.64		90	2.79		50
	75	3.08	35	2.58		95	2.84		

396' TD

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

#	1	375'	4.06	5.13
	2	360'	3.85	4.78
	3	345'	3.20	4.35
	4	325'	2.95	3.80
	5	315'	4.38	5.46
	6	300'	4.15	5.52
	7	285'	3.45	4.00
	8	265'	5.56	6.75
	9	250'	4.26	5.60
	10	235'	4.07	4.80

 11.43 Volts
 24.3 Amps
 .47 Ω