

1404

SUNRAY F #1-A

30-045-23832

KELLY #3

30-045-21442

E

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. 26 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SUNRAY F #1A, KELLY #3

cps 1633w

Elevation 6292' Completion Date 9/3/81 Total Depth 520' 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. 100' - 230' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 495', 475', 460', 440', 400', 380', 365', 330', 315', 280'

Depths vent pipes placed: 520'

Vent pipe perforations: 400'

Remarks: gb #1

RECEIVED

MAY 31 1984

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). ☐

2"X60" DUBIRON Completion Date 9-3-81

Well Name SUNRAY "F" #1A		Location SE 26-30-10		CPS No. 1633 W	
Type & Size Bit Used KELLY #3		Work Order No. 57680-21-50-20			
Anode Hole Depth 520'	Total Drilling Pig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	Sacks Mud Used 55855-21-50-20	
Anode Depth					
#1 495	#2 475	#3 460	#4 440	#5 400	#6 380
#7 365	#8 330	#9 315	#10 280		
Anode Output (Amps)					
#1 3.34	#2 4.43	#3 3.92	#4 2.82	#5 3.60	#6 6.05
#7 5.58	#8 2.82	#9 3.00	#10 4.24		
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 11.6	Amps 22.8	Ohms .50			
Total 1 C.P. Cable Used		Total 2 C.P. Cable Used			

Remarks: **WET 100' TO 230' DRILL TO 260 SET OVER NIGHT
BLOW SAMPLE NEXT AM. 120' 1" PLAIN VENT PIP
BALANCE PERFORATED**

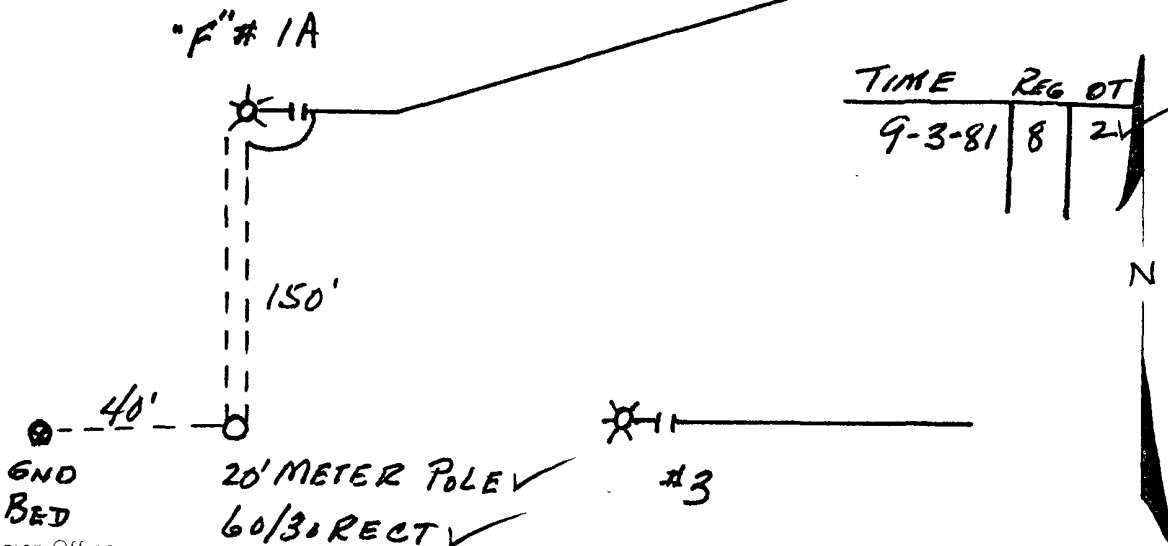
**SUNRAY F 1A STATIC = .83 NE
KELLY #3 STATIC = .75 E**

**DITCH + 1 CABLE = 190' ✓
XTRACABLE = 170' ✓
HOLE + 20' ✓**

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6292

DAILY DRILLING REPORT

SUMMARY "F" FIA Kelly #3 CPS 16334
LEASE WELL NO. CONTRACTOR Rig Drilling RIG NO. REPORT NO. DATE Aug 3 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.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S L 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.			
0	2																

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	200	Sand	450	500	Shale			
200	230	Sandy shale	500	520	Sand			
230	300	Shale						
300	360	Sandy shale						
360	410	Shale						
410	450	Sand						

REMARKS -	REMARKS -	REMARKS -
Water 230		
Drilled 520 TD 520		

SIGNED: Toolpusher

Company Supervisor

SUNRAY "F" #1A
 KELLY #3

1633W

SE 26-30-10

 57680-21-50-2
 55855-21-50-2

WET 100' TO 238' DRILLED TO 260' SET OVER
 NIGHT BLOW SAMPLE NEXT A.M.
 120' 1" PLAIN VENT PIPE BALANCE PERFORATE
 DRILLED TO 520'
 LOG TO 520

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

230	1.66	5	1.14	5	1.71	5	1.70
35	1.66	10	.89	10	1.59	10	2.50
40	1.53	15	1.27-9	15	1.87	15	1.76
45	1.35	20	1.80	20	1.12	20	→ TD
50	1.37	25	1.66	25	1.08	25	
55	1.80	30	1.78-8	30	.94	30	
60	2.60	35	1.76	35	.74	35	
65	2.66	40	1.51	40	.50-4	40	
70	3.29	45	1.24	45	1.73	45	
75	3.20	50	.93	50	1.18	50	
80	2.54-10	55	.68	55	1.03	55	
85	2.28	60	2.67	60	1.88-3	60	
90	1.81	65	3.26-7	65	2.60	65	
95	1.61	70	3.76	70	2.58	70	
300	1.67	75	3.70	75	2.64-2	75	
		80	3.70-6	80	2.66	80	
		85	4.00	85	2.09	85	
		90	3.72	90	1.76	90	
		95	3.16	95	1.70-1	95	
		400	2.04-5	400	2.13	400	
1	495'	2.13	334			5	
2	475'	2.70	443			10	
3	460'	2.43	392			15	
4	440'	1.77	282			20	
5	400'	2.12	360				
6	380'	4.05	605				
7	365'	3.75	558				
8	330'	1.73	282				
9	315'	1.76	300				
10	280'	2.80	424				

 11.6 VOLTS
 22.8 AMPS
 .50 Ω

L PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10331 Date 9-21-81

Operator El Paso Natural Gas Well Name Kelly 3 CPS 1633 W

Location SE 26-30-10 County San Juan State New Mexico

Field Aztec Formation _____

Sampled From 100 - 200'

Date Sampled 9-3-81 By B. T.

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

ppm	epm
Sodium <u>1,772</u>	Chloride <u>50</u>
77.1	1.4

Calcium <u>392</u>	Bicarbonate <u>117</u>
19.6	1.9

Magnesium <u>54</u>	Sulfate <u>4,700</u>
4.4	97.8

Iron _____	Carbonate <u>0</u>
	0

H ₂ S _____	Hydroxide <u>0</u>
	0

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 6,598

pH 7.4

Sp. Gr. 1.0215 At 60°F

Resistivity 138 ohm-cm at 75 °F

Joe P. Barnett & Dennis P. Bird
Chemist

