

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" x 60" 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 Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. 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	4 282	5 3.60	6 6.05	7 558
8 282	9 300	10 424				
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	No. 5 C.P. Cable Used	
				No. 2 C.P. Cable Used		

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

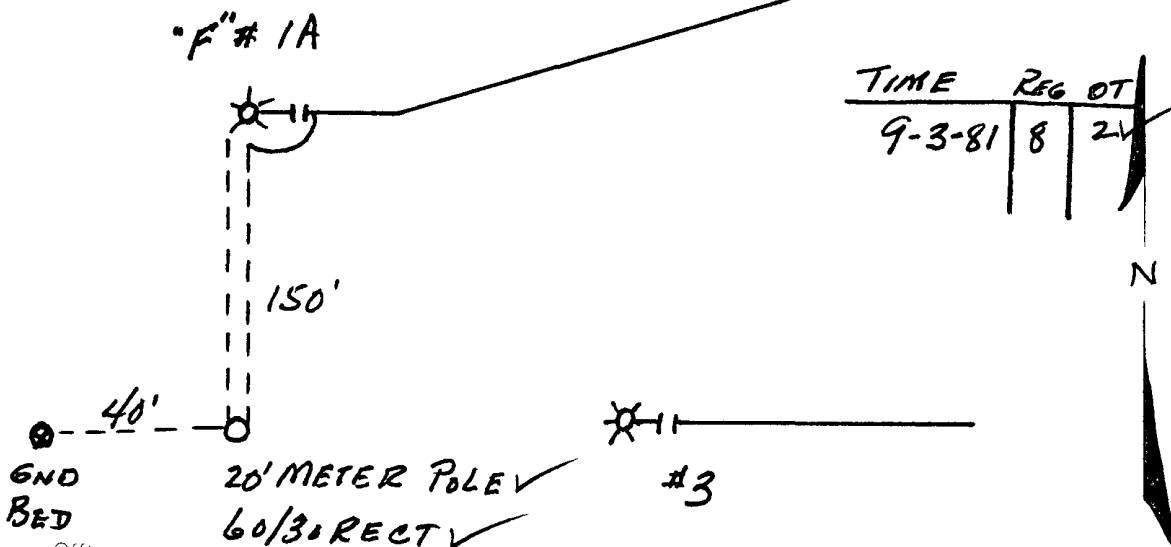
~~SUNRAY~~ SUNRAY F 1A STATIC = .83 NE
KELLY #3 STATIC = .75 E

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

6092

DAILY DRILLING REPORT

LEASE SUNRAY "F" 1A WELL NO. Kelly 3 CONTRACTOR Stacy Drilling RIG NO. 16334 REPORT NO. 1981 DATE Aug 3

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.		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					TOTAL DEPTH					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

Stacy

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	ppm
Sodium <u>1,772</u>	<u>77.1</u>	Chloride <u>50</u>
Calcium <u>392</u>	<u>19.6</u>	Bicarbonate <u>117</u>
Magnesium <u>54</u>	<u>4.4</u>	Sulfate <u>4,700</u>
Iron _____	_____	Carbonate <u>0</u>
H ₂ S _____	_____	Hydroxide <u>0</u>

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

