

1353

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30-045-23707

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

Operator MERIDIAN OIL Location: Unit NE Sec. 12 Twp 29 Rng 10

Name of Well/Wells or Pipeline Serviced LACKEY A #1R

cps 1677w

Elevation 5663' Completion Date 9/13/83 Total Depth 380' Land Type* N/A

Casing, Sizes, Types & Depths 21' 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. 16' & 35' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 3700 lbs.

Depths anodes placed: 355', 350', 340', 335', 325', 320', 310', 295', 290'

Depths vent pipes placed: 380'

Vent pipe perforations: 380'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. I
DIST

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 9-13-83

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1677-W	Lackey A 1-R	57732-21-50-20-64	R/C 600' NW. 96	☒ Good ☐ Bad 106 mA
Location	Anode Size:	Anode Type:	Size Bit:	
NE 12-29-10	2" X 60"	Duriron	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
380'	371		3,700 lbs	
Anode Depth				
# 1 355	# 2 350	# 3 340	# 4 335	# 5 325
# 6 320	# 7 310	# 8 305	# 9 295	# 10 290
Anode Output (Amps)				
# 1 5.2	# 2 5.2	# 3 5.1	# 4 5.1	# 5 5.2
# 6 5.5	# 7 5.8	# 8 6.0	# 9 5.7	# 10 4.8
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. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.1	Amps 16	Ohms .75		

Remarks: Driller Hit water at 16'. Blew water from hole. Found Better water around 35'. Driller set 21' of 8" casing. Installed 380' of 1" p.v.c. vent pipe with 380' of perforations. Stunned 3700 lbs of coke down hole. Driller Hit Rock @ 375'. Got water sample. Hole making water at 12 gpm.

Rectifier Size: 40 V 16 A ✓
 Addn'l Depth: _____
 Depth Credit: 129' ✓
 Extra Cable: EPNG ✓
 Ditch & 1 Cable: EPNG ✓
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

All Construction Completed

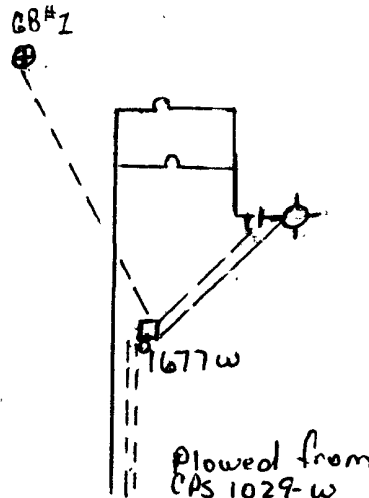
C. W. Donohue
 (Signature)

GROUND BED LAYOUT SKETCH

8 / 2 ✓
 hrs at Reg

EPNG Plowed
 All cables.
 Rect. set on
 span pole

SWE3



DAILY DRILLING REPORT

LEASE Lackey A 1-R WELL NO. 1-R CONTRACTOR Leff's Co RIG NO. TR1 REPORT NO. 1477 DATE 9-13-83 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	WT-BIT	R.P.M.
0	170	Sand & shale												
170	370	Shale												
370	380	Rock												

BIT		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES	
TYPE		DOWN ON KELLY		TOTAL DEPTH		TYPE		DOWN ON KELLY		TOTAL DEPTH		TYPE		DOWN ON KELLY		TOTAL DEPTH	
MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		MAKE		MUD RECORD		MUD, ADDITIVES USED AND RECEIVED	

Time	Wt.	Vis.	TIME BREAKDOWN			Time	Wt.	Vis.	TIME BREAKDOWN			Time	Wt.	Vis.	TIME BREAKDOWN		

FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN		

REMARKS -					REMARKS -					REMARKS -				
12 gpm														
30'														

SIGNED: Toolpusher

Company Supervisor

Roger Smith
C.W. Donohue

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: of
Date: 9-13-83
By:
File:

CPS 1677-W
Lackey A 1-R

W.O.# 57732-21-5D-20-64

Static: -96 600' NV

NE 12-29-10

Union: 106 ma

Driller H. J. water at 16' found
Better water around 35' Driller
set 21' of 8" casing. Installed
380' of 1" pvc vent pipe
with 380' of perforations.
Slurried 3,700 lbs Coke Down
Hit Rock

Drilled: 380
Logged: 371

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

200
420

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

50	1.5	285	1.4
60	1.0	90	2.5
70	1.6	95	3.1
80	1.0	300	3.0
90	1.0	05	3.7
100	.5	10	3.5
05	.7	15	3.4
10	.6	20	3.1
15	.5	25	3.1
20	.6	30	3.4
25	.5	35	3.3
30	.7	40	3.2
35	.6	45	3.1
40	.7	50	2.9
45	.7	55	2.9
50	.6	60	2.0
55	.6	65	1.3
60	.7	70	7.0
65	.7	75	Rock
70	.9	80	
75	1.0	85	
80	1.7	90	
85	1.6	400	
90	1.7		
95	1.5		
200	1.4		
05	1.3		
10	1.3		
15	1.2		
20	1.1		
25	1.1		
30	1.1		
35	1.1		
40	1.2		
45	1.5		
50	1.6		
55	1.6		
60	1.6		
65	1.6		
70	1.5		
75	1.4		
80	1.3		

①	355	3.1	5.2
②	350	3.1	5.2
③	340	3.5	5.1
④	335	3.6	5.1
⑤	325	3.4	5.2
⑥	320	3.6	5.5
⑦	310	4.2	5.8
⑧	305	3.6	6.0
⑨	295	3.5	5.7
⑩	290	3.0	4.8

12.1V 16A .75Ω

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

Analysis No. 1-10918 Date November 15, 1983

Operator El Paso Natural Gas Well Name Lackey A-1-R CPS 1677W

Location NE 12-29-10 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From 16 feet CPS 1677W

Date Sampled September 12, 1983 By Bill Donohue

Tbg. Press. _____	Csg. _____	Surface Csg. Press. _____
Sodium <u>3,405</u> ppm	<u>148.0</u> epm	Chloride <u>130</u> ppm
Calcium <u>308</u>	<u>15.4</u>	Bicarbonate <u>305</u>
Magnesium <u>59</u>	<u>4.8</u>	Sulfate <u>7,600</u>
Iron _____	_____	Carbonate <u>48</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 12,622

pH 8.3

Sp. Gr. 1.0105 At _____ 60°F

Resistivity 63 ohm-cm at _____ 75 °F

Joe Barnett
Chemist GCK

