

5236

30-045-21980

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. 11 Twp 30 Rng 9Name of Well/Wells or Pipeline Serviced LINDSEY #2Acps 1382wElevation 5954' Completion Date 10/2/79 Total Depth 380' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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 AT 55', 105', 265', 318'SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 4500 lbs.Depths anodes placed: 320', 290', 275', 265', 185', 175', 165', 155', 145', 105'Depths vent pipes placed: 360'Vent pipe perforations: 320'Remarks: gb #1

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

CONTRACT 2

Completion Date 10-2-79

Drilling Log (Attach Hereto). ☐

Well Name Lindsey # 2A		Location SE 11-30-9		CPS No. 1382W	
Type & Size Bit Used 6 3/4"		2" x 60" Duriron		Work Order No. 57301.21	
Anode Hole Depth 380-375 TD	Total Drilling Rig Time	Total Lbs. Coke Used 4500	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 320	# 2 290	# 3 275	# 4 265	# 5 185	# 6 175
# 7 165	# 8 155	# 9 145	# 10 105		
Anode Output (Amps)					
# 1 3.0	# 2 2.8	# 3 4.6	# 4 5.6	# 5 4.3	# 6 4.5
# 7 5.0	# 8 5.5	# 9 4.0	# 10 2.2		
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 11.7	Amps 18.0	Ohms .65			

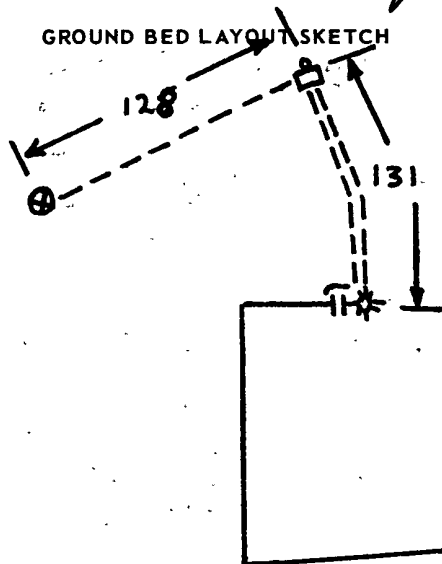
Remarks: **STATIC % W = .85 WATER AT 55-105-265 + 318 FT TOTAL WATER APPROX 30 BPM DRILLED 380 FT AND LOGGED 375 FT, INSTALLED 360 FT OF VENT PIPE WITH 320 FT PERFORATED. SLURRIED 45 SACKS OF COKE.**

Hole depth = -125
meter pole
40V16A
DITCH + cable = 259
EXTRA CABLE = 156

All Construction Completed

Robert J. Bahrick
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

5994

1382W

Contract # 2

LEASE WELL NO. CONTRACTOR O'Brian RIG NO. REPORT NO. DATE 10-2-1979

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. _____
SERIAL 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	16		Sandstone														
16	24		Shale														
24	55		Sandstone water														
55	80		Shale														

FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN		FROM	TO	TIME BREAKDOWN	
80	105	Sandstone water		277	291	Sandstone					
105	110	Shale		291	293	Shale					
110	141	Sandstone		293	318	Sandstone water					
141	190	Shale		318	328	Shale					
190	261	Sandstone water		328	380	Sandstone					
261	277	Shale									

REMARKS -

REMARKS -

Drilled To 380 w/6 3/4
 Logged To 375

Water @ 55-105-261-318
 Estimate 30 gpm Total

REMARKS -

SIGNED: Toolpusher

Tom O'Brian

Company Supervisor

Kurt Westmonland

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 10-2-79
By: RJB
File: 1382W

1382W SE 11-30-9
Lindsey #2A 57301.21
STATIC % 600 W = .85 UNION = OK

10-2-79 = 11 hrs

4 WATER ZONES

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

50	2.1	275	2.1-3	WATER AT 50 FT APPROX 6PA Drilled 380 FT with 6 3/4" logged 375 FT INSTALLED 360 FT OF VENT PIPE WITH 320 FT OF PERFORATIONS Slurried 45 SACKS OF COKE
5	2.0	80	.9	
60	1.6	5	1.2	
5	2.2	90	1.5-2	
70	1.9	5	1.1	
5	1.7	300	1.1	
80	1.0	5	1.0	
5	1.0	10	1.0	
90	1.1	5	1.6	
5	1.2	80	1.7-1	
100	1.2	5	1.1	Hole depth = 125 meter Pole 400/6A Rect Ditch + cable = 259 EXTRA CABLE = 156
5	1.4-10	30	1.0	
10	1.0	5	1.0	
5	.5	40	1.0	
20	.5	5	1.2	
5	.5	50	1.1	
30	.7	5	1.2	
5	1.1	60	1.0	
40	2.1	5	1.0	
5	2.5-9	70	-	
50	2.9	5	-	① 320 - 2.0 - 3.0 ② 290 - 1.7 - 2.8 ③ 275 - 3.2 - 4.6 ④ 265 - 3.3 - 5.6 ⑤ 185 - 2.4 - 4.3 ⑥ 175 - 2.6 - 4.5 ⑦ 165 - 2.8 - 5.0 ⑧ 155 - 3.5 - 5.5 ⑨ 145 - 2.5 - 4.0 ⑩ 105 - 1.4 - 2.2
5	2.9-8	80	-	
60	2.4			
5	2.9-7			
70	2.3			
5	2.2-6			
80	2.5			
5	1.6-5			
90	1.3			
5	1.0			
100	.9			11.7 V / 18.0 A = .65 ohms
5	.8			
10	.9			
5	.8			
20	.9			
5	1.1			
30	1.0			
5	.8			
40	.7			
5	.7			
50	.8			
5	1.0			
60	1.5			
5	3.1-4			
70	3.4			

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

Analysis No. 1-9790 Date 12-18-79

Operator El Paso Natural Gas Well Name Lindsey 2A

Location SE 11-30-9 County San Juan State New Mexico

Field _____ Formation _____

Sampled From C.P.S. 1382WA

Date Sampled _____ By _____

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press. _____
ppm epm ppm epm

Sodium 79 3 Chloride 60 2

Calcium 574 29 Bicarbonate 244 4

Magnesium 45 4 Sulfate 1440 30

Iron _____ Carbonate 0 0

H₂S Absent Hydroxide 0 0

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
C. B. O'Nan

Total Solids Dissolved 2794

pH 7.4

Sp. Gr. 0.9978 at 60°F

Resistivity 308 ohm-cm at 70 °F

Water at 95'

Joe Barnett GCK
Chemist

