

LUCERNE A #1-A 30-045-23137
SCOTT #11 30-045-21820

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. 9 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced LUCERNE A #1A, SCOTT #11

cps 1383w

Elevation 6007' Completion Date 7/13/79 Total Depth 300' Land Type* N/A

Casing, Sizes, Types & Depths 64' 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 AT 110' & 130'

Depths gas encountered: N/A

Type & amount of coke breeze used: 36 SACKS

Depths anodes placed: 210', 200', 190', 180', 170', 160', 150', 140', 130', 120'

Depths vent pipes placed: 230'

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED

MAY 31 1981

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). ☐

CONTRACT #2 (2" X 60" DURATION)

Completion Date 7/13/79

Well Name Lucerne A #1A SCOTT #11		Location NW 9-31-10		CPS No. 1383 W																																													
Type & Size Bit Used 6 3/4"				Work Order No. 57397-21 55915-21																																													
Anode Hole Depth 300' T.R. 230'	Total Drilling Rig Time 10666A	Coke Used 36 SACKS	Lost Circulation Mat'l Used	No. Sacks Mud Used																																													
<table border="1"> <tr> <td>Anode Depth</td> <td># 1 210'</td> <td># 2 200'</td> <td># 3 190'</td> <td># 4 180'</td> <td># 5 170'</td> <td># 6 160'</td> <td># 7 150'</td> <td># 8 140'</td> <td># 9 130'</td> <td># 10 120'</td> </tr> <tr> <td>Anode Output (Amps)</td> <td># 1 4.6</td> <td># 2 5.1</td> <td># 3 4.5</td> <td># 4 5.5</td> <td># 5 4.9</td> <td># 6 4.4</td> <td># 7 4.3</td> <td># 8 3.2</td> <td># 9 3.8</td> <td># 10 4.6</td> </tr> <tr> <td>Anode Depth</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> <tr> <td>Anode Output (Amps)</td> <td># 11</td> <td># 12</td> <td># 13</td> <td># 14</td> <td># 15</td> <td># 16</td> <td># 17</td> <td># 18</td> <td># 19</td> <td># 20</td> </tr> </table>						Anode Depth	# 1 210'	# 2 200'	# 3 190'	# 4 180'	# 5 170'	# 6 160'	# 7 150'	# 8 140'	# 9 130'	# 10 120'	Anode Output (Amps)	# 1 4.6	# 2 5.1	# 3 4.5	# 4 5.5	# 5 4.9	# 6 4.4	# 7 4.3	# 8 3.2	# 9 3.8	# 10 4.6	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
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Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used																																													
Volts 11.5 V	Amps 16.5 A	Ohms .7																																															

Remarks: STATIC 600' S. = .88 V DRILLER SAID WATER AT 110' + 130'
APPROX. 2 GAL./MIN. DRILLED TO 160'. WATER STANDING IN HOLE NEXT A.M.
AT 120'. WATER SAMPLE WOULD NOT SETTLE OUT. DRILLED TO 300'. LOGGED
230'. INSTALLED 230' OF 1" P.V.C. VENT PIPE. PERFORATED 200'. WHEN
DRILLER FIRST MOVED ON LOCATION, DRILLED ^{44'} HIT BOULDERS. CABLE
TOOL RIG DRILLED 75', SET 64' OF 8" CASING. (STEEL PIPE)

Ditch + 1 cable = 677'

EXTRA CABLE = 140'

Hole Depth = ~~285'~~ 301'

GROUND BED LAYOUT SKETCH

All Construction Completed

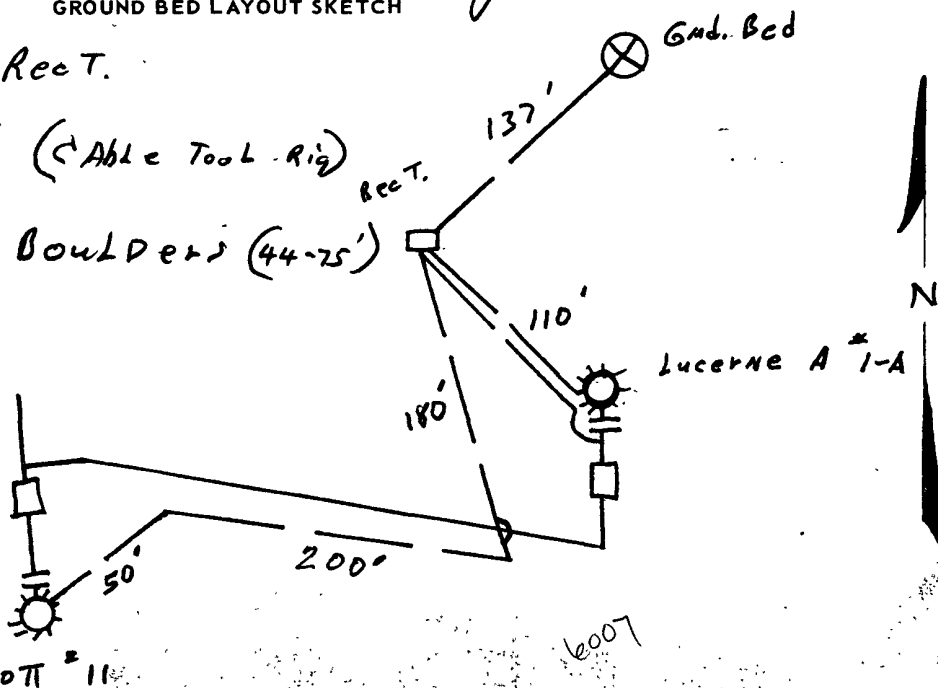
JE Statta
(Signature)

Stub Pole & 40V 16A RECT.

7 Hr. REAMING 0-44' (Cable Tool Rig)

31' DRILLING THREE BOULDERS (44-75')

25



DRILLING DEPARTMENT

DAILY DRILLING REPORT

1383 W

DRILLING DEPARTMENT
Contract #2

Posey

LEASE			WELL NO.			CONTRACTOR Posey			RIG NO.			REPORT NO.			DATE 7-13			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.			
SER. NO.		STANDS		SINGLES	DOWN ON KELLY	SERIAL NO.		STANDS		SINGLES	DOWN ON KELLY	SERIAL NO.		STANDS		SINGLES	DOWN ON KELLY			
TYPE		TOTAL DEPTH		MAKE	MUD RECORD	TYPE		TOTAL DEPTH		MAKE	MUD RECORD	TYPE		TOTAL DEPTH		MAKE	MUD RECORD			
Time		Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED	Time		Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED	Time		Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED						
FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN				FROM	TO	TIME BREAKDOWN						
0	44	Hit Boulders				120	130	Shale				205	225	Shale						
44	75	Cable Tool				130	150	Sand wet				225	230	Sandy Shale						
75	110	Shale				150	160	Shale				230	260	Shale						
"	120	Sand wet.				160	162	Sandy Shale				260	290	Sandy Shale						
						162	180	Shale				290	300	Shale						
						180	205	Sandy Shale												
REMARKS -					REMARKS -					REMARKS -										
										Drilled To 300										
										Logged To 230										
										Water approx 29pm @ 110.										

SIGNED: Toolpusher

Posey

Company Supervisor _____

so Jerry Langley

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

LUCERNE A #1A
SCOTT #11
NW 9-31-10

W.O. 57397-2
W.O. 55915-2

CPS #1383-W

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

100 -

10 -

20 - 2.5 - ⑩

2.1

30 - 1.7 - ⑨

1.4

40 - 1.5 - ⑧

2.2

50 - 2.3 - ⑦

2.3

60 - 2.5 - ⑥

2.6

70 - 2.7 - ⑤

2.9

80 - 2.8 - ④

2.7

90 - 2.6 - ③

2.9

200 - 2.9 - ②

3.0

10 - 2.8 - ①

3.0

20 - 2.9

2.4

30 - T.D. 230.

40 -

50 -

60 -

70 -

80 -

90 -

360 -

Driller said water at 110' & 130'. Approx. 2 gal./min. Drilled to 160'. Water standing in hole next AM at 120'. Water sample would not settle out. Drilled to 300'. Logged 230'. Installed 230' of 1" P.V.C. vent pipe perforated 200'. Driller drilled 44 ft. boulders. Cable tool rig drilled 75'. Set 64' of 8" casing.

10 HRS
0 HRS

7/13/79
JS

11.5 V 16.4 A

1 - 210 - 3.5 - 4.6
2 - 200 - 3.9 - 5.1
3 - 190 - 3.3 - 4.5
4 - 180 - 3.8 - 5.5
5 - 170 - 3.5 - 4.9
6 - 160 - 3.1 - 4.4
7 - 150 - 2.9 - 4.3
8 - 140 - 1.8 - 3.2
9 - 130 - 2.4 - 3.8
10 - 120 - 3.5 - 4.6