

1209

30-045-23156

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 NW Sec. 8 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced KELLY B #1A

cps. 1465w

Elevation 6313' Completion Date 9/8/80 Total Depth 340' 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. 110' & 310' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 27 SACKS

Depths anodes placed: 265', 235', 225', 215', 205', 195', 185', 165', 145', 115'

Depths vent pipes placed: 335'

Vent pipe perforations: 240'

Remarks: gb #1

RECEIVED

MAY 31 1991.

OIL CON. DIV.

DIST. 2

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 9/8/80

Well Name <u>Kelly B #1A</u>		Location <u>NW 8-30-10</u>		CPS No. <u>1465 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57115-21</u>	
Anode Hole Depth <u>340' T.P. 335'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>27 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>265'</u>	# 2 <u>235'</u>	# 3 <u>225'</u>	# 4 <u>215'</u>	# 5 <u>205'</u>	# 6 <u>195'</u>
# 7 <u>185'</u>	# 8 <u>165'</u>	# 9 <u>145'</u>	# 10 <u>115'</u>		
Anode Output (Amps)					
# 1 <u>2.5</u>	# 2 <u>4.4</u>	# 3 <u>5.2</u>	# 4 <u>4.5</u>	# 5 <u>3.4</u>	# 6 <u>4.7</u>
# 7 <u>4.0</u>	# 8 <u>3.1</u>	# 9 <u>2.7</u>	# 10 <u>3.5</u>		
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		
Volts <u>12.1</u>	Amps <u>17.6</u>	Ohms <u>.69</u>	No. 2 C.P. Cable Used		

Remarks: STATIC 600 E = .85V INSULATED UNIONS checked OK
DRILLER SAID WATER AT 110', APPROX. 1/2 GAL./MIN. TOOK WATER SAMPLE.
DRILLED TO 140'. WATER STANDING IN HOLE NEXT A.M. AT 110'. HIT
MORE WATER AT 310'. APPROX. 8 GAL./MIN. DRILLED TO 340'. LOGGED
335'. INSTALLED 335' OF 1" P.V.C. VENT PIPE, PERFORATED 240'.

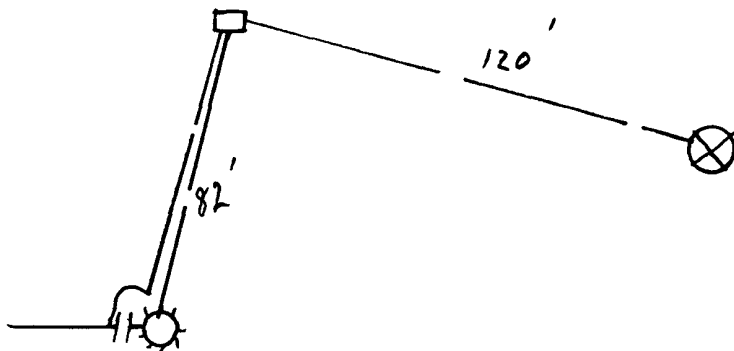
Ditch + 1 cable = 202' ✓
 extra cable = 112' ✓
 20' meter loop pole ✓
 10' stub pole ✓
 40V 16A Rect. ✓
 Hole depth - 165'

All Construction Completed

GROUND BED LAYOUT SKETCH

JE [Signature]
 (Signature)
 8 Hr. Reg. 2 Hr. O.T.

20' meter loop pole



CPS # 1465 W

KELLY B # 1-A

W.O. # 57115-21

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

3-C DRILLING

RIG NO. ~~11~~

REPORT NO.

DATE SEPT. 8 1980

MORNING

DAYLIGHT

EVENING

Driller **Brian**

Total Men In Crew 2

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.

NO. DC	SIZE	LENG.
NO. DC	SIZE 4 1/2	LENG 20'
STANDS		
SINGLES		
DOWN ON KELLY		
TOTAL DEPTH 340' TD. 335'		

	NO. DC _____ SIZE _____ LENG. _____
BIT NO.	NO. DC _____ SIZE _____ LENG. _____
SERIAL NO.	STANDS _____
SIZE	SINGLES _____
TYPE	DOWN ON KELLY _____
MAKE	TOTAL DEPTH _____

	NO. DC ____ SIZE ____ LENG. ____
BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.	STANDS
SIZE	SINGLES
TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH

[illegible]

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vls.	

FROM	TO	TIME BREAKDOWN
0	100	sandstone
100	120	water sand - water 1/2 g/pm
120	140	shale & sand
	180	bentonite & shale
100	200	sand & shale
200	260	shale.

FROM	TO	TIME BREAKDOWN
260	300	Bentonite
300	320	sand - water 7-8 gpm
320	340	sand - bentonite

[illegible]

REMARKS -

REMARKS - Drilled to 140' on the 7th had a lost all the way back to 60' had water standing at approx 110' on the morning of the 8th hole producing by the hour approx 3 gallons per ~~hour~~ min.
Total hole depth 340'
Total log depth 335'

REMARKS - pit move water at 310-320
approx. making 7-8 gallons per min
ute.

SIGNED: Toolpusher

SIGNED: Toolpusher Brian Burge

____ Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

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

Kelly B #1A CPS # 1465 W
NW 8-30-10

W.O. # 57115-21

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

110 - 1.5
1.6 - ⑩
20 - 1.1
1.1
30 - 1.2
.9
40 - 1.2
1.4 - ⑨
50 - 1.3
1.1
60 - 1.0
1.6 - ⑧
70 - 1.1
1.0
80 - 1.3
1.9 - ⑦
90 - 2.1
2.1 - ⑥
200 - 1.7
1.9 - ⑤
10 - 1.8
1.8 - ④
20 - 2.1
2.1 - ③
30 - 2.1
2.0 - ②
40 - 1.5
1.2
50 - 1.1
1.3
60 - 1.2
1.3 - ①
70 - 1.0
.9
80 - .9
1.1
90 - 1.0
1.0
300 - 1.3
1.2

310 - .9
.8
20 - .7
.6
30 - .7
335 — T.D.
40 - Drilled To

Driller said WATER AT 110'.
Approx. 1/2 GAL./MIN. TOOK WATER
SAMPLE. Drilled 140'. WATER
STANDING in hole next A.M.
AT 110'. HIT more WATER
AT 310' Approx. 1 GAL./MIN.
Drilled 340'. INSTALLED 335'
of 1" P.V.C. vent Pipe
Petter ATed 240'. Logged 335'

12.1 V. 17.6A. = .69-2
9/8/80
JL

1 - 265' 1.6 - 2.5
2 - 235' 3.0 - 4.4
3 - 225' 3.2 - 5.2
4 - 215' 2.8 - 4.5
5 - 205' 2.6 - 3.4
6 - 195' 3.4 - 4.7
7 - 185' 2.8 - 4.0
8 - 165' 2.2 - 3.1
9 - 145' 1.8 - 2.7
10 - 115' 2.7 - 3.5

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

Analysis No. 1-10037 Date 11-12-80

Operator El Paso Natural Gas Well Name Kelly B #1A

Location NW 8-30-10 County San Juan State New Mexico

Field Kutz Formation _____

Sampled From CPS 1465 W @ 110 ft.

Date Sampled 10-24-80 By _____

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

Sodium	ppm	epm	Chloride	ppm	epm
	44	1.9		24	0.7

Calcium	368	18.4	Bicarbonate	39	0.7
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Magnesium	56	4.6	Sulfate	1138	23.7
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Iron	No test		Carbonate	0	0
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H ₂ S	No test		Hydroxide	0	0
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cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File

Total Solids Dissolved 2000

pH 6.6

Sp. Gr. 1.0010 At 60°F

Resistivity 455 ohm-cm at 77°F

Joe Barnett
Chemist

