

4369

30-045-11886

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. 11 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL J #3R

cps 4w

Elevation 6170' Completion Date 10/28/82 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. 70' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4500 lbs.

Depths anodes placed: 370', 340', 330', 320', 295', 285', 275', 265', 255', 200'

Depths vent pipes placed: 430'

Vent pipe perforations: 380'

Remarks: qb #3

RECEIVED

MAY 31 1991

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). ☐Completion Date 10-28-82

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
<u>A-10</u>		<u>Howell J # 3 R</u>		<u>54473-19-50-20-63</u>		<u>REDRILL N/A</u>		☐ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bit:			
<u>NE-11-30-8</u>		<u>2" x 60"</u>		<u>DURIRON</u>		<u>6 3/4" MILL TOOTH</u>			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
<u>520'</u>		<u>430'</u>				<u>Approx 4500 LBS</u>			
Anode Depth									
# 1	<u>370</u>	# 2	<u>340</u>	# 3	<u>330</u>	# 4	<u>320</u>	# 5	<u>295</u>
# 6	<u>285</u>	# 7	<u>275</u>	# 8	<u>265</u>	# 9	<u>255</u>	# 10	<u>200</u>
Anode Output (Amps)									
# 1	<u>2.5</u>	# 2	<u>2.7</u>	# 3	<u>3.1</u>	# 4	<u>3.3</u>	# 5	<u>2.5</u>
# 6	<u>2.8</u>	# 7	<u>3.1</u>	# 8	<u>3.3</u>	# 9	<u>3.1</u>	# 10	<u>2.0</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		No. 2 C.P. Cable Used	
Volts <u>12</u>		Amps <u>7.1</u>		Ohms <u>1.7</u>		<u>2935</u> <u>40'</u>			

Remarks: _____

Driller said water at 70'. caught water sample, Drilled to 440'.
water at APPROX. 90' next AM. INST. 430' OF VENT PIPE with 380'
OF PERFORATIONS. Hole caved back to 370', next day rig broke down
Hole set open for three days. Drilled to 520' 10-27-82

Rectifier Size: NA V _____ A SLURRY 4500 LB. OF Bulk COKEAddn'l Depth: NADepth Credit: 70'Extra Cable: 10'Ditch & 1 Cable: 30'

25' Meter Pole: _____

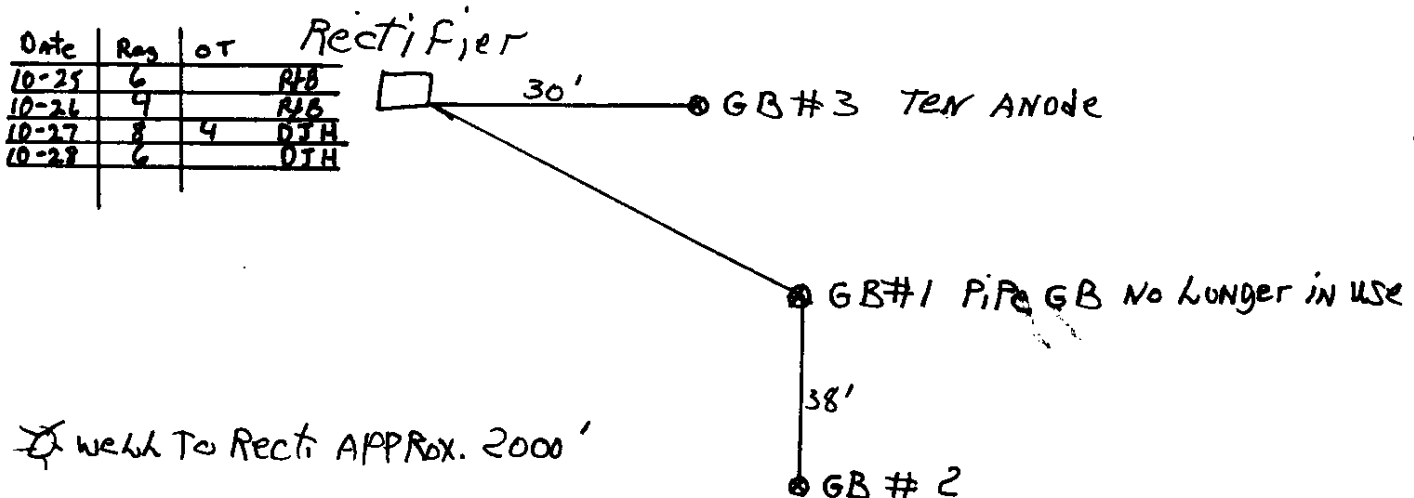
20' Meter Pole: _____

10' Stub Pole: _____

All Construction Completed

Don J. Hill + R.B.
 (Signature)

GROUND BED LAYOUT SKETCH



CPs - 4
Howells JH 3R
NE-11-30-8
54473-19-50-20-63-Redrills

80	1.90	280	1.4	Driller Said water at 70'
	1.0		1.7 -	caught water SAMPLE
90	0.5	90	1.4	Drilled to 470'
	0.5		1.6 -	water at APPROX. 90' next AM
100	.4	300	.9	logged to
	.4		.7	inst 430 Feet OF vent PIPE
10	.4	10	.49 +6	with 380 Feet OF Perforations
	.4		.55 +7	Hole caved back to 370'
20	.4	20	1.10 -	Next Day Rig broke DOWN
	.5		1.90	Hole set for 3 days
30	.6	30	1.50 -	Drilled to 520' 10-27-82
	.7		1.50	30' From Rect. to Jet. Box
40	.99	40	1.20 -	
	.70		.90	
50	.6	50	.50	
	.5		.60	
60	.5	60	.80	
	.7		1.10	
70	1.2	70	1.90 - 1.8	
	1.2		.90	
80	.9	80	.70	
	.7		.70	
90	.7	90	.60	
	1.2		.60	
200	1.3 -	400	.60	
	.6		.60	
10	.6	10	.60	
	.6		.70	
20	.7	20	1.50	
	.7		1.50	
30	.6	30	B.O.H.	
	.6			
40	.6	40		
	.7			
50	1.3			
	1.3 -			
60	1.8			
	1.9 -			
70	1.6			
	1.5 -			

AB { MON 6 reg
+ Tues 4 reg
+ Wed 8 reg
+ Thurs 6 reg

$$7.1 \text{ AB } 12.2 \text{ V} = 1.7 \text{ D}$$

- 1-370 - 1.8 - 2.5
- 2-370 - 1.3 - 2.6
- 3-330 - 1.5 - 3.1
- 4-320 - 2.0 - 3.3
- 5-295 - 1.3 - 2.5
- 6-285 - 1.1 - 2.8
- 7-275 - 1.3 - 3.1
- 8-265 - 1.5 - 2.2
- 9-255 - 1.2 - 3.0
- 10-200 - 1.3 - 2.0

~~XXXXXXXXXX~~

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Braun WELL NO. 3-C CONTRACTOR Corvus FIG NO. #2 REPORT NO. 2 DATE Oct 25 1982

MORNING										EVENING									
Driller <u>Braun</u>					Total Men In Crew <u>4</u>					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	70	sandstone shaly siltstone																	
70	440	sandstone shaly siltstone																	
440	520	shale																	
NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>					NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>					NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>									
NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>					NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>					NO. DC <u> </u> SIZE <u> </u> LENG. <u> </u>									
STANDS					STANDS					STANDS									
SINGLES					SINGLES					SINGLES									
DOWN ON KELLY					DOWN ON KELLY					DOWN ON KELLY									
TOTAL DEPTH					TOTAL DEPTH					TOTAL DEPTH									
MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED					MUD, ADDITIVES USED AND RECEIVED									
MUD RECORD					MUD RECORD					MUD RECORD									
Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.					
FROM					FROM					FROM									
TO					TO					TO									
TIME BREAKDOWN					TIME BREAKDOWN					TIME BREAKDOWN									
REMARKS -					REMARKS -					REMARKS -									

but enter at 70 drilled to 440 cased back to 350'; Drilled back down to 520' came out filled hole while coming out. Hole logged to 430'

SIGNED: Toolpusher Brian Burg Company Supervisor

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

Analysis No. 1-10655 Date November 12, 1982
Operator EPNG Well Name Howell J #3R CPS #4W
Location NE 11-30-8 County San Juan State New Mexico
Field Blanco Formation _____

Sampled From 70 Feet

Date Sampled 10-25-82 By Robert Babnick

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

ppm Sodium <u>135</u> epr 5.9	ppm Chloride <u>36</u> epm 1.0
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Calcium <u>456</u> 22.8	Bicarbonate <u>254</u> 4.2
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Magnesium <u>69</u> 5.6	Sulfate <u>1400</u> 29.1
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Iron _____	Carbonate <u>0</u> 0
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H ₂ S _____	Hydroxide <u>0</u> 0
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cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

Total Solids Dissolved 2286

pH 7.5

Sp. Gr. 0.9972 At 60°F

Resistivity 370 ohm-cm at 72°F

Dennis P. Bird *RZE*
Chemist

