

724

3A-30-045-21605

300-30-045-26897

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. 15 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL K #3A, #300

cps 1056w

Elevation 6436' Completion Date 9/8/76 Total Depth 698' Land Type* N/A

Casing, Sizes, Types & Depths 23' 3" OF 8 5/8 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. WET AT 430'

Depths gas encountered: N/A

Type & amount of coke breeze used: 70 SACKS

Depths anodes placed: 685', 675', 665', 655', 645', 635', 625', 505', 495', 455'

Depths vent pipes placed: N/A

Vent pipe perforations: 271'

Remarks: qb #1

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

Logged

Drilling Log (Attach Hereto). ☐

Completion Date **9-8-76**

Well Name Howell K#3A		Location SE 15-30-8		CPS No. 1056w	
Type & Size Bit Used 6³/4				Work Order No. 57006	
Anode Hole Depth Log 698		Total Drilling Rig Time 70		Lost Circulation Mat'l Used	
Anode Depth		Total Lbs. Coke Used		No. Sacks Mud Used	
# 1 685	# 2 675	# 3 665	# 4 655	# 5 645	# 6 635
# 7 625	# 8 505	# 9 495	# 10 455		
Anode Output (Amps)					
# 1 2.9	# 2 2.4	# 3 2.6	# 4 3.1	# 5 2.8	# 6 2.7
# 7 2.7	# 8 1.9	# 9 2.1	# 10 2.3		
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 11.8		Amps 11.5		Ohms 1.02	
				No. 2 C.P. Cable Used	

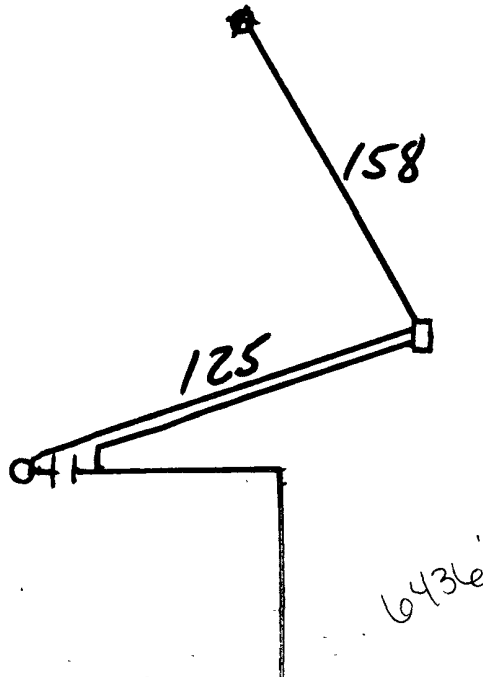
Remarks: **Cable Tool Rig Set Approx 23'-3" OF 8 9/8 Casing**
Driller Said Wet at 430' Start water injection
Drill to 620, Fill water to 460 & Log 595. Change to Mud
& Drill to 700. Log 698' -
Vent Perforated 271'
Slurry 70 sacks Coke

Construction Completed

Amels

(Signature)

GROUND BED LAYOUT SKETCH



~~510610J~~ 1056W
LEASE WELL NO. CONTRACTOR RIG NO. REPORT NO. DATE 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.

BIT NO. 7- 6 3/4		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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.
			15 sks Gcl														

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

REMARKS -			REMARKS -			REMARKS -		
29-32	Boulders	110-132 SS	396-447	SS	dry	620-640	Sand	sh
32-38	Sand	132-152 sh Blue	447-455	sh		640-658	Blue	sh
38-64	sh	152-185 G. Damp	455-470	SS	dry Conglomerate	658-665	Blue	sh + T. clay
64-66	SS	185-203 sh Red	470-500	?	Inject	665-680	"	"
66-76	sh Blue	203-224 SS	500-566	sh		680-694	Blue	sh + T.S
76-82	sh Red	224-258 sh Blue dry	566-690	Chanc		694-710	Blue	sh
82-98	ss + sh	258-382 SS				Trip out. Logged Obstruction @		
98-110	sh Red	382-396 sand dry				Trip Back in. Hole logged 698		
						12' fill ap.		

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet _____ of _____

Date: _____

By: _____

File: _____

4-0
3-5
2-3

30-7
1-5
6-1

1056 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

430	2	2	655	1.1	Driller said wet at 430
40	2	3	60	1.0	Drill to 620, Fill wtr to
50	3	3	70	1.2	460 - Log to 595
60	7	3	80	1.2	Dig pit & chng to Mud
70	8	1.0	90	1.2	Drill to 706
80	1.2	2	100	1.1	9-8-76
90	1.3	2	110	1.0	Thin Down @ Log to
100	3	2	120		585 - Logging Ahead
110	4	2	130		Stopped Run Pipe Back
120	4	2	140		To T.D.
130	4	2	150		Set approx 25-8 1/8 Casing
140	4	2	160		
150	4	2	170		
160	4	2	180		
170	4	2	190		
180	4	2	200		
190	4	2	210		
200	4	2	220		
210	4	2	230		
220	4	2	240		
230	4	2	250		
240	4	2	260		
250	4	2	270		
260	4	2	280		
270	4	2	290		
280	4	2	300		
290	4	2	310		
300	4	2	320		
310	4	2	330		
320	4	2	340		
330	4	2	350		
340	4	2	360		
350	4	2	370		
360	4	2	380		
370	4	2	390		
380	4	2	400		
390	4	2	410		
400	4	2	420		
410	4	2	430		
420	4	2	440		
430	4	2	450		
440	4	2	460		
450	4	2	470		
460	4	2	480		
470	4	2	490		
480	4	2	500		
490	4	2	510		
500	4	2	520		
510	4	2	530		
520	4	2	540		
530	4	2	550		
540	4	2	560		
550	4	2	570		
560	4	2	580		
570	4	2	590		
580	4	2	600		
590	4	2	610		
600	4	2	620		
610	4	2	630		
620	4	2	640		
630	4	2	650		
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650	4	2	670		
660	4	2	680		
670	4	2	690		
680	4	2	700		
690	4	2	710		
700	4	2	720		
710	4	2	730		
720	4	2	740		
730	4	2	750		
740	4	2	760		
750	4	2	770		
760	4	2	780		
770	4	2	790		
780	4	2	800		
790	4	2	810		
800	4	2	820		
810	4	2	830		
820	4	2	840		
830	4	2	850		
840	4	2	860		
850	4	2	870		
860	4	2	880		
870	4	2	890		
880	4	2	900		
890	4	2	910		
900	4	2	920		
910	4	2	930		
920	4	2	940		
930	4	2	950		
940	4	2	960		
950	4	2	970		
960	4	2	980		
970	4	2	990		
980	4	2	1000		

Vent Perf. 271

70 Coke

1	6.85	2.9	2.9
2	6.75	2.8	2.4
3	6.65	2.5	2.6
4	6.55	2.2	3.1
5	6.45	1.4	2.8
6	6.35	1.4	2.7
7	6.25	1.4	2.7
8	5.05	1.0	1.9
9	4.95	1.0	2.1
10	4.55	1.3	2.3

11.5A

11.8V

1.02V