

DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

3306

API 30-045-25843

Operator E P F S Location: Unit D Sec. 3 Twp 30 Rng 12

Name of Well/Wells or Pipeline Served L. C. KELLY 4E # 03540

Elevation _____ Completion Date 2-3-97 Total Depth 385 Land Type F *82081239

Casing, Sizes, Types & Depths 8 5/8" - P.V.C. - 20'

If Casing is cemented, show amounts & types used 4 Bags - Z. A Type 1 & 2

If Cement or Bentonite Plugs have been placed, show depths & amounts used

RECEIVED
MAR - 2 1998

Depths & thickness of water zones with description of water when possible:

OIL CON. DIV.
DIST. 3

Fresh, Clear, Salty, Sulphur, Etc. DAMP - Start wtr inj @ 340

Depths gas encountered: NO

Type & amount of coke breeze used: 4800 lbs horesco SW

Depths anodes placed: 160 - 365

Depths vent pipes placed: 380 - 260

Vent pipe perforations: 260

Remarks: _____

O. H. Farrell

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 plugged.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

DEEP WELL GROUND BED DATA

DATE March 3, 1997COMPANY EPFS/AmocoCOUNTY San JuanSTATE NMCONTRACT NO. FC-96-1000UNIT NO. 03540LOCATION L.C. Kelly #4EGROUNDBED: DEPTH 400 Ft., DIA. 8 In., ANODES (15) 2 x 60 SHA-2'sCASING: SIZE 8 In., DEPTH 20 Ft.

DEPTH FT.	DRILLER'S LOG	RESISTIVITY		ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
		OHMS	AMPS				
5	Sandstone						
10	"						
15	"						
20	"						
25	"						
30	"						
35	"						
40	"						
45	"						
50	"						
55	"						
60	"						
65	"						
70	"						
75	"						
80	"						
85	"						
90	"						
95	"						
100	"		0.3				
105	Shale		1.4				
110	"		2.0				
115	"		2.0				
120	Sandstone		1.7				
125	"		1.4				
130	"		1.1				
135	"		1.2				
140	"		1.3				
145	"		1.2				
150	"		1.1				
155	"		1.0				
160	"		1.2	15	160	1.1	3.9
165	"		1.3				
170	"		1.2	14	170	1.2	4.0
175	"		1.4				
180	"		1.5	13	178	1.3	4.0
185	"		1.3	12	186	1.2	4.0
190	"		1.2				
195	"		0.5	11	194	1.3	4.3
200	"		1.6	10	202	1.6	4.6
205	"		1.6				
210	"		1.6	9	210	1.6	4.2
215	"		1.1				
220	"		1.0				
225	"		1.0				
230	"		1.0				
235	Shale		2.1	8	235	2.2	4.7
240	Sandstone		1.5				

DEPTH FT	DRILLER'S LOG	RESISTIVITY OHMS	AMPS	ANODE NUMBER	DEPTH TO ANODE TOP	BEFORE COKE	AFTER COKE
245	Sandstone		1.2				
250	"		1.1				
255	"		1.3	7	255	1.4	3.8
260	"		1.0				
265	"		1.0				
270	"		1.2				
275	"		1.1				
280	"		1.1				
285	"		1.1				
290	"		1.0				
295	"		1.2	6	293	1.2	4.6
300	"		1.8	5	301	2.0	5.5
305	"		1.8				
310	"		1.4	4	309	1.5	4.9
315	"		1.2	3	317	1.5	5.1
320	"		1.4				
325	"		1.5	2	325	1.7	5.2
330	"		1.1				
335	"		1.0				
340	"		0.9				
345	"		1.1				
350	"		1.0				
355	"		0.8				
360	"		0.8				
365	"		1.1	1	365	1.1	3.0
370	"		1.1				
375	"		0.7				
380	"						
385	"						
390	"						
395	"						
400	Sandstone						
405							
410							
415							
420							
425							
430							
435							
440							
445							
450							
455							
460							
465							
470							
475							
480							
485							
490							
495							
500							
505							
510							