

#4 30-045-07121

#11 30-045-21078

4761

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

Operator MERIDIAN OIL Location: Unit SW Sec 27 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL #4, #11

cps 473w

Elevation 6280' Completion Date 3/31/64 Total Depth 320' 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. N/A

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 3700 lbs.

Depths anodes placed: 297', 249', 243', 190', 165', 80', 74'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1

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

DATE 3-31-64

WELL NAME Howell #4 CPS NO. 473 W

LOCATION SW 27-28N-8W

WORK ORDER NUMBER 52015

ANODE HOLE DEPTH 320'

TOTAL DRILLING RIG TIME 11 1/2 hrs

DRILLING TIME FOR RECTIFIER POLE HOLE 0

TYPE AND SIZE BIT USED WMA 6 1/4" # 7487X = 215' # 7717X = 105'

NUMBER SACKS MUD USED 5

NUMBER SACKS LOST CIRCULATION MAT'L USED 0

ANODE DEPTHS #1 297', #2 249', #3 243', #4 190' 5' 165' 80' 7' 74'

TOTAL LBS. COKE USED 3700 lbs 28 sacks

ANODE OUTPUTS 12 VOLTS, #1 1.1, #2 2.0, #3 1.9, #4 2.0 52.2 62.6 73.2

TOTAL CIRCUIT RESISTANCE: VOLTS 11.3 AMPERES 9.3 OHMS 1.22

NUMBER FEET SURFACE CABLE CONDUIT 309'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

REMARKS: Static 9/5 = .76 A 600' E

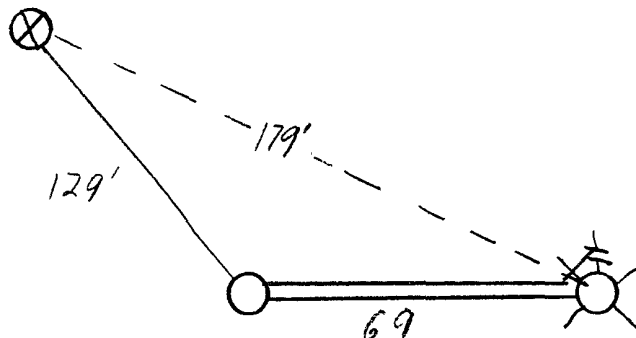
Installed PEM 28V 12A Rect # 637148

Note Most of Flow line Bare laid on Top
of sd to next top well

ALL CONSTRUCTION COMPLETED

[Signature]
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

B-37R
1665

LEASE Howell WELL NO. 4 CONTRACTOR L.E. Wilson RIG NO. D-4 REPORT NO. W.O. 52015 DATE 3-30-31 1964

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.	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	30	S.S.			95	150	SAND & S.S.			202	265	S.S. & SAND																	
30	43	S.S.			150	157	S.S.			265	295	S.S. & S.S.																	
43	67	Sh & S.S.			157	195	S.S.			295	300	S.S.																	
67	95	S.S. & S.S.			195	202	Sh.			300	315	S.S.																	

Driller					Total Men In Crew					Driller					Total Men In Crew					Driller					Total Men In Crew				
BIT NO.	NO. DC	SIZE	LENG.	STANDS	BIT NO.	NO. DC	SIZE	LENG.	STANDS	BIT NO.	NO. DC	SIZE	LENG.	STANDS	BIT NO.	NO. DC	SIZE	LENG.	STANDS	BIT NO.	NO. DC	SIZE	LENG.	STANDS	BIT NO.	NO. DC	SIZE	LENG.	STANDS
74871-215					77171-105					715					715					715					715				
SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE	MAKE

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.
			5-Mud														

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
		1 hour - Breakdown			Rig Time 11 1/2 hrs			3-30 - - - 7 1/2
					Rig Time 10 1/2			3-31 - - - 5
								12 1/2
								Breakdown 1
								Rig 10 1/2

REMARKS -	REMARKS -	REMARKS -
3-30-64 Finished Last hole @ 9:30 AM. Started hole @ 10:15 AM. Lost circulation @ 30 ft Drilled from 0' to 215' Lost Rig @ 5:00 PM		Finished hole @ 12:00 AM.
3-31-64 Lost Yard @ 6:00 AM Arrived Rig @ 7:45 AM - Drilled from 215' to 320'		

SIGNED: Toolpusher

Company Supervisor

ERP